

# **Bill of Material - MAIN DISTRIBUTION PANEL FOR TEMPORARY D/G**

**Qatar Umm Al Houl Power Project**

Rev. C

Sep.22. 2016

No.	Description	Specification	Unit	Q'ty	Remarks
1	Main Distribution Panel				
1)	Steel Plate Enclosure 2.3mm, IP 54,	Self Standing Type	PNL	1	For 350kVA D/G No. 1
	415V, 3 Phase, 4 Wire, R,Y,B,N,PE Cu Bus	800A Bus rating			
1	Incoming Breaker MCCB, 415V, 50HZ, 3 Poles	630AF/630AT	EA	1	For #13 PCC
2	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	400AF/400AT	EA	1	Spare
3	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	250AF/250AT	EA	1	For #13 LO Flushing
4	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	Spare
5	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	Spare
3)	Steel Plate Enclosure 2.3mm, IP 54,	Self Standing Type	PNL	1	For 450kVA D/G No.3 (This panel will be used Plan 3 Stage)
	415V, 3 Phase, 4 Wire, R,Y,B,N,PE Cu Bus	1,200A Bus rating			
1	Incoming Breaker MCCB, 415V, 50HZ, 3 Poles	800AF/800AT	EA	1	
2	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	400AF/400AT	EA	1	For # 15 L.O Flushing
3	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	630AF/630AT	EA	1	For # 14 L.O Flushing
4	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	
5	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	
6	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	
7	Outgoing Breaker <b>ELCB</b> , 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	
8	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	
9	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	160AF/160AT	EA	1	
10	Outgoing Breaker MCCB, 415V, 50HZ, 3 Poles	100AF/100AT	EA	1	

\* Note

MCCB : Molded Case Circuit Breaker

**ELCB** : Earth Leakage Circuit Breaker

AF : Ampere Frame

AT : Ampere Trip

