



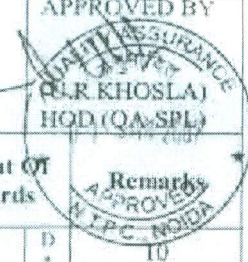
DEVELOPMENT OF 50MW SOLAR
PHOTOVOLTAIC PLANT AT MANDSUAR (M.P)



TITLE OF THE DRAWING / DOCUMENT	FQP FOR LV SWICHGEAR
BHEL DRG NO	4-38142-00410
NTPC DRG No	5714-004-P4-QVE-Q-148

1	25.07.2016	FOR APPROVAL			KKP	<i>PKP</i>	AN	<i>Signature</i>
0	06.07.2016	FOR APPROVAL	PKP		ASK		AN	
REV NO.	DATE	STATUS	INITIALS	SIGN	INITIALS	SIGN	INITIALS	SIGN
			PRPD. BY		CHKD. BY		APPRD. BY	

PROJECT: DEVELOPMENT OF 50MW SOLAR PHOTOVOLTAIC PLANT AT MANDSUAR (M.P)		REV 1
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NTPC	EQUIPMENT LT SWITCHGEAR		STANDARD FIELD QUALITY PLAN			QP NO. 0000-999-QOE- T-002 REV NO. 0 DATE : 26 -12-2006 PAGE 4 OF 4 Valid upto : 25 -12-2009		REVIEWED BY AM VT OPN SDS		APPROVED BY R.K. KHOSLA HOD. (QA-SPL)	
	CONFORMING TO CODE : IS 8623										
S No	Activity & Operation	Characteristics / Instrument	Class of Check #	Type of Check	Quantum of Check	Reference Document	Acceptance Norms	Format of Records	D	10	
1	2	3	4	5	6	7	8	9			

		Check Degree of protection by paper insertion method at the gasketed joints for IP 5X sections	B	Visual	At random					
		Check caution / danger plate provided	C	Visual	100%					
	Continuity check	Check continuity of main & auxilliary circuits	A	Elec	100%	NTPC approved drgs.	NTPC approved drgs.			
	IR check	Perform IR of main & auxiliary circuits with 500 V Meggar	A	Elec	100%	IS 8623	IS 8623			
	Earthing	Check earthing with grid	A	Visual	100%	NTPC approved drgs.	NTPC approved drgs.			
	Cabling checks	Check for completeness of control cable terminations	B	Visual	At random	NTPC approved drgs.	NTPC approved drgs.			
		Check for completeness of power cable terminations	B	Visual	At random	NTPC approved drgs.	NTPC approved drgs.			
		Check for completeness of communication cable terminations, if applicable	B	Visual	At random	NTPC approved drgs.	NTPC approved drgs.			
		Do not earth shielding on communication cable in MCC	B	Visual	At random	NTPC approved drgs.	NTPC approved drgs.			
		Check control and power cables are properly secured or clamped	B	Visual	At random					
		Check tightness of control and power cable terminations	B	Visual	At random	Manufacturer's Manual	Manufacturer's Manual			
		Plug all unused holes and openings including those for cable entries	C	Visual	100%					
E	FINAL VISUAL INSPECTION	Check no loose tools or hardware or any other unwanted material etc are left inside the Panels	B	Visual	100%					
		Check for any damage to paint finish and ensure touch up.	B	Visual	100%					
		Check all switches and CBs are in OFF position	C	Visual	100%					
		Check completeness of installation of Switchgear panels	B	Visual	100%					

LEGEND * RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: C = CONTRACTOR, N = NTPC, CRITICAL, B = MAJOR, C = MINOR, 'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPT., 'C' SHALL BE WITNESSED BY NTPC (CHP STAGE) CHECK SHALL BE NTPC (CHP STAGE)


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