Inspection and Test Plan for Insulator									
				Verifying Document	Activity By			Remark	
No.	Inspection and Test Plan	Reference Document	Acceptance Criteria		Manuf.	TPI	Client	-	
1	Pre-Inspection Meeting	Spec.	Spec.	МОМ	Н	Н	Н	-	
Before Manufacturing									
2	DWG, Design, Calculation Document	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	DWG, Calculation book	Ι	R	А	-	
3	Insulator Dry Lighting Impulse Withstand Voltage Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А		
4	Insulator Wet Switching Impulse Withstand Voltage Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А		
5	Insulator Wet Power Frequency Withstand Voltage Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А		
6	Insulator Verification of the Locking System Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А		
7	Insulator Verification of Dimension Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А		
8	Insulator Temperature Cycle Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А		

9	Insulator Electromechanical Failing Load Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А	
10	Insulator Mechanical Failing Load Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А	
11	Insulator Thermal Shock Test	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	Н	R	А	
12	Insulator Puncture Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А	
13	Insulator Porosity Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А	
14	Insulator Galvanizing Test Procedure	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	IEC, NEC, NEMA, FDF, ISO ANSI, CI, IPCEA	Procedure	н	R	А	
			Materials					
15	Raw Material Inspection	ASTM	ASTM	Original Material Certificates	Н	н	-	-
16	Review of Certificates	ASTM	ASTM	Certificates	Н	Н	-	-
17	Material Identification	ASTM	ASTM	Report	Н	Н	-	
During Fabrication								

18	Fabrication Inspection	DWG	DWG	Report	Н	SW	-	
19	Checking of Outline and Interface Dimension	DWG	DWG	Report	Н	SW	-	
20	Insulator Dry Lighting Impulse Withstand Voltage Test Procedure	Procedure	Procedure	Report	Н	Н	-	
21	Insulator Wet Switching Impulse withstand Voltage Test Procedure	Procedure	Procedure	Report	Ŧ	н	1	
22	Insulator Wet Power Frequency Withstand Voltage Test Procedure	Procedure	Procedure	Report	н	Н	1	
23	Insulator Verification of the Locking System Procedure	Procedure	Procedure	Report	н	Н	1	
24	Insulator Verification of Dimension Procedure	Procedure	Procedure	Report	н	Н	1	
25	Insulator Temperature Cycle Test Procedure	Procedure	Procedure	Report	Ħ	н	1	
26	Insulator Electromechanical Failing Load Test Procedure	Procedure	Procedure	Report	н	Н	-	
27	Insulator Mechanical Failing Load Test Procedure	Procedure	Procedure	Report	Н	Н	-	

28	Insulator Thermal Shock Test	Procedure	Procedure	Report	Н	Н	-		
29	Insulator Puncture Test Procedure	Procedure	Procedure	Report	Н	Н	-		
30	Insulator Porosity Test Procedure	Procedure	Procedure	Report	н	Н	1		
31	Insulator Galvanizing Test Procedure	Procedure	Procedure	Report	Н	Н	-		
	Final Inspection								
32	Final Visual & Dimensional Check	DWG	DWG	Report	Н	Н	-	-	
33	Check of Final Book	-	Spec.	DWG/ P.O	Н	R	-		
			Documentation			-			
34	Inspection Reports	Spec./DWG	Spec./DWG	Report	Н	R	-	-	
35	NCR	Spec./DWG	Spec./DWG	Report	Н	R	-	-	
36	Review Final Data Report	Spec./DWG	Spec./DWG	Report	Н	R	-	-	
Packing									
37	Preservation and Packing	Spec.	Spec.	Report	Н	Н	-	-	
38	Marking	Spec.	Spec.	Report	Н	Н	1	-	
39	Loading Inspection	Spec.	Spec.	Report	Н	Н	-	-	
40	Shipping Document Control	Procedure	Spec.	Packing List	Н	Н	-	-	

Abbreviations:

H: Hold Point = Hold on the production till TPI Inspector performs inspection and supervise the required test

W: Witness Point = Manufacture shall notify client and TPI Inspector but there is no hold on the production; Client can waive this inspection based on his discretion and informs TPI Inspector accordingly.

R: Document Review = Review means Review document, which includes of material test certificates, WPS, PQR, NDT Procedures and etc.

A: Approval

SW: Spot Witness = for items with spot witness manufacture shall notify TPI inspector as fulfilling the monitoring; For example one random visit for whole UT tests or one or two visits for whole surface preparation works for painting.

MOM: Minute of Meeting

P.O: Purchase Order

for more information review following articles:

http://www.inspection-for-industry.com/third-party-inspection-for-insulator.html

http://www.inspection-for-industry.com/inspection-and-test-plan-for-insulator.html