	PO PV FI	em: 1.1 KV ower (XLPE & /C) Insulated RLS cables	CONK	ANDARD Q DRMING TO COD AND NTPC TECH	E IS 1554 PART	1 1 JS 7098	QP NO. 0000-999- QOE- \$-041 REV-00 DATE : 03-02-12 Page 6 of 1) VALID UP TO: 02-02-15	REVIEWED INDERJIT SINGH VIKRAM TALWA RAJEEV GARG	RIMA		A NA DA	PPRO	Gar	By By
SI	Componen	f. Characteristics	Class	Type of check	Quantum		Reference Document	Acceptance	Record		Agen	C.	. 10	Remarks
No	Operations				М	C/N		Norms	Format	D*	M	C	74	Salt in the sale
4	2	3	4	5	6		7		9	-	10		-	11
		8 Mass of Zinz coating	CR	Meas	Each type & s as per samplii 1554 (Part 1) Par	ng plan of 15) & 1S 7098-	NTPC ADS /IS1554(Partl)/IS3975	NTPC ADS /IS1554(Partl) /IS3975	Test certific ate	-	P	W	·W	
		Uniformity if Zinc Coating	CR	Chem.	-d	0-	do	do-	do-	1	i	W	W	
		10.Adhesoon test	CR	Mech	-de		dr	do-	do	1	P	W	W	
		11 Freedom from defects	CK	Visual	dc	0	do	do	do	1	P	W	W.	
	Confluctor	1. Resistance Test	CR		-									
1.03		E.O. C. STATE OF THE STATE OF T		Elect		0	do	do	do	~	Р	W	W	
		Tensule test (For aluminum conductor unity)	CK	Mech	Each type & as per sample IS 1554 (Part 1)	ng plan of IS 1)/7098(Part-	NTPC ADS/ IS 8130	NTPC ADS/ IS 8130		~	7	W	W.	Test report of manufactures to be reviewed us per SL No. 2.01 for Testsile test & wrapping test (for Aluminars) in case that applicable under inspection as per 1S. 8130 cl. 6.3
		3 Wrapping test (For aluminum conductor only)	CR	Mech	do	0	do	do	-do	_ ,	P	P	W	-do-

OTHER PATT	1	tem: 1.1 KV Power (XLPE & PVC) Insulated FRLS cables	(CONF	AND ARD Q ORMING TO CODE AND NTPC TECH	E: IS 1554 PAR	T1, IS 7098	QP NO. 0000-999- QOE- S-041 REV-00 DATE: 03-02-12 Page 7 of 11 VALID UP TO: 02-02-15	REVIEWED INDERJIT SINGH VIKRAM TALWA RAJEEV GARO	gn-10m		100	PPRO	VED	BY
SL. No	Component & Operations	Characteristics	Class	Type of check	Quantum M	of check C/ N	Reference Document	Acceptance Norms	Record Format	D*	Agerit	C	N	Remucks
- 1	2	3	-4	5	6	-	7	8	9		10	1	-	11
3.03 (IV)	PVC/XI. PEI Insulatio n & PVC	Thickness of insulation & PVC Sheath	CR	Meas	Each type & s as per sampli 1S 155 1)/IS7098	ng plan of IS 4 (Part	NTPC ADS/ IS 1554(Partl) & IS 7098 Part 1	NTPC ADS/ IS 1554(Partl) & IS 7098 Part I	Test Certific ate	7	P	W	W	11
	Sheam	2. Tensile strength & clongation at break of quadration & outer sheath (before ageing)	CR	Mech	Each type & as per sampli IS 155 1)/IS7090	ng plan of IS 4 (Part	NTPC ADS/ IS 1554(Parti) & IS 7098 Part I	NTPC ADS/ IS 1554(Partl) & IS 7098 Part I	Test Certific atc	1	P	w	w	Refer Note 3 Also
		Tensile strength & elengation at break of involution & outer sheath (after Ageing)	ĊR	Mech	Refer	Note 3	do	do	do	7	P	W	w	Refer Note 3 ath)
		4. Insulation resistance (Vulume resistance)	CR	Elect	Each type & same same same same same same same same	ng dun of IS	do	do	do	~	P	w	w	
		5 High voltage test at room temperature	CR	Elect	Each type &. as per sampli 1584 (Part I Pa	ng plun of IS) & IS 7098-	do	do	do	- 7	p	W	W	
	Ţ	6. Hot Set test [for XLPE insulation only)	CR	Phy	d	lo	do	-do	do-	7	p	W	W.	
		7.Thermal stability on PVC Insulation and outer sheath	CR	Chem	One sample of lot of all of		-do	do	do	~	9	W	w	_

there's		tem: 1.1 KV Power (XLPE & PVC) Insulated FRLS cables	(CONFO	ANDARD Q DRMING TO CODE AND NTPC TECH	E: 18 1554 PART	I, IS 7098	QP. NO. 0000-999- QOE- S-041 REV-00 DATE 03-02-12 Page 8 of 11 VALID UP TO. 02-02-15	REVIEWED INDERJIT SINGH VIKRAM TALWAR	neton	A . Oug.	Appr DL	PRO N	Chi	Te .
SI. No	Composi ent & Operation	Characteristics	Class	Type of check	Quantum (C/ N	Reference Document	Acceptance Norms	Record Format	D*	Agen	C	N	Remarks
T	2	3	4	5	6		7	- 8	9	_	10	-		11
		8.Oxygen index Test on outer sheath	CR	Chem	One sample of		NTPC ADS / IS10810 Part 58	NTPC A.D.S	do-	4	P	W	W	
		9. Smoke density rating test on outer sheath	CR	Chem	One sample of lot of all offe		NTPC ADS & AS IMD2843	NTPC ADS	-do	1	P.	W	W	
		10 Acid gm generation test on outer sheath	CR	Chem	One sample of lot of all offe		NTPC ADS & IEC 60754-1	'NTPC ADS	Test Certific ate	7	p	W	W	
		11.Flummability test on completed cable	CR	Chem	Refer Note 4	Refer Note 4	NTPC ADS & IEC 60332 Part-3 (NTPC ADS Category-B) (1) Drum no. (2) IS1554-1 /IS7098-1,Cable size, Voltage	do	*	20	W	W		
		12 Surface finish & length excessurement.	CR	Visual & Meas	One length of each size	One length of each size	(1) Drum no. (2) IS1554-I /IS7098-I grade & Words "FRLS" at every embossed. Embossing shall be au marking shall be legible & indel marking of length of cable in meter to be embossed / printed. Embossin progressive, automatic, in line & ma & indelible	5 meter is to be domatic, in line & lible. (3) Sequential at every one meter is ing / printing shall be	do		P	W	W	Pimple, Fish Eye, Burnt particles, Blow Hole etc. not permitted. Repairing or outer sheath unit permitted.
		11. Sequence of coves amoun coverage, gap between two consecutive amount femped wire	Сн	Visual & Meas	One length of each size	length of each size	Min. area of coverage of armouring between armour wires / for exceed one armour wire/ formed wirbe no cross over/ over riding of a wire. Zn rich paint shall be applisurface of G S Wire /formed wire	med wires shall not e space & there shall rmour wire / formed	do-	7	P	W.	W	
	Packing	I. Sealing	MA	Visual	100%	100%	(1)1S1554(Part-1) & 1S 7098-Part 1 (drum and the outer most cable layer water proof cover. (3) Both the en properly sealed with heat shrinkable secured by "U" nails.	shall be covered with ds of cables shall be	QCR		р		-	
4.01	Identific	NTPC Scaling	MA	Visual	100%	100%	Scaling shall be visible		QCR	7	P	v	v	

Si. Compan	P	em: I.1 KV ower (XLPE & VC) Insulated RLS cables	(CONFC	ANDARD QU PRMING TO CODE AND NYPC TECHN	IS 1554 PAR	1 7 15 7098	QP. NO. 0000-999- QOE- S-041 REV-00 DATE: 03-02-12 Page 9 of 11 VALID UP TO. 02-02-15	REVIEWED INDERJIT SINGH VIKRAM TALWA	gn	A Dt.	A.K. G	the state of the s
	Componer & Operation	The SWIMSWELLINE	Clas	Type of check	Qu M	C/N	Reference Document	Acceptance Norms	Record : Format	D* M	CN	Remarks
	2	30	4	5	6		7	8	9	10		11
	1)	compound manu	facture	er is not carry	ing out	ageing te	test , test report of com st, then cable manufactuall be one sample /batch	irer is to cari				
	2)	Regional Office inspection.	es:- R	facturers /	of manuf	facturer in er WHO	we supplied cables in nternal test report are to HAVE NOT SUPPLIED	be verified to	y NTPC	at the ti	me of f	inal
		Centre/ Region					witnessed by Main Cont		C. 11113 1	0 111 000		
	3)	Centre/ Region manufacturer int	ernal t	est report to	be verifi	ed by NT	witnessed by Main Cont PC at the time of final in Acceptance criteria.	spection.	C. 111131			
_	3)	Refer table on For PVC insulate For cables where	ernal to page 1 d LT po	est report to 0 &11of 11 ower cable :- more than 3	for San For cab	ed by NT mpling &	PC at the time of final in	mm, any size	of cable			ed togethe

WHY.	Item (XLI Insul cable	ated FRLS	(CONFI	ANDARD QUENTING TO CODE AND NIPC TECHN	15 1554 PART	1,48 7098	REV-00 Page 10 c	0000-999- QOE- S-041 DATE : 03-02-12 of 11 UP TO: 02-02-15	REVIEWER INDERJIT SING. VIKRAM TALWA	Andrew A		APP ON A	ROYED	HV.
SE No	Component &	Characteristics	Class	Type of check	Qua ntu m M	of check	I	Reference Document	Acceptance I	Record	D*	Agency	CIN	Benuarks
7	Operations		A	5	6			7		- a	-	385-1		11
-1	-		- 4		& Accepta	nce Criteri	a		8			10		111
Crite	ria	7.5		Manufacturer experience po		Condition	_	Testing procedure				Remar	ks	
size/ be to Eloni will t value acce Tens ageir toler than	type of cable ested for Ten gation (befor he companed as mentioned pted by NTP ille Strength ing) should be ance (final vi- the minimum rant standar	elevant IS from ever in the offered lot sile Strength & e ageing). The value with corresponding in the Type Test. These values of & Elongation (being a line of the Within +/ · 15% alues should be more alues indicated d) of the Type Test.	shall ues g report fore o	In case of Manufacturer who have sup cables in the through Corp Centre / Regi offices	oplied past orate	In case of sizes/ tyl which mo criteria	pe eet the	1 Sample of PVC integration type of cables offer criteria, will be put (refer IRS specificat 3.0). The samples stemperature of 130 Sample of XLPE insoffered which have on ageing test as posamples shall be testiongation. Accepta relevant IS. This tentre.	ed which have ment on accelerated attion no. IRS: S-6 shall be aged in a loc+/- 2°c for 5 hulation per type met the criteria, er IS 7098. After sted for Tensile stance norms shall est shall be wit	net the geing tes 3/2007 Rair oven a nours. 1 of cables will be provided the strength be as per tressed	st Rev at out ne & er by	not me require acceler then 1	et the ment i ated a samp size/ t	n geing test ple of ype will geing
						In case of /type who not meet criteria	nch do	Particular size/ type as per IS. This tes NTPC.						

"APP	(XLF Insul cable	ated FRLS	(CONF	ANDARD QUENTING TO CODE AND NTPC TECHN	18 1554 PART	1, IS 7098	REV-00 Page 11	0000-999- QOE- S-041 DATE: 03-02-12 of 11 UP TO: 02-02-15	REVIEWED INDERJIT SINGH VIKRAM TALWA RAJEEV GARGY	RVU		APP	Prove K. Gar	BWI G
SI No	Component & Operations	Characteristics	Class	Type of check	Quantum M	of check C/ N		Reference Document	Acceptance / Norms	Record Format	D*	Agency	C I	Remarks
	2	3	4	5	6		1	7	8	9		10		11
				In case of Manufacturers WHO HAVE N SUPPLIED cab	OT	In case of /type who meet the criteria	iich	1 Sample per type met the criteria, will witnessed by NTP	be put on aging	test and				
				past through (Centre / Region offices		In case of type white not meet criteria	ch do	Particular size / type as per IS. This test NTPC						

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Ŭ	WTDC I	(RECEIPT, STORAGE & ERECTION)	C N D D	ONCO TO ONTPC OF	PCCCTUN		PAGE: VALID UPTO:				
Sl No	ACTIVITY AND OPERATION	CHARACTERISTICS	#CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORD		REM	IARKS
1	2	3	4	5	6	7	8	9	D*		10
	MATERIAL,	Safe unloading of material at site	С	Visual	100%	Manufacturer Installation Manual	No damage	Logbook			
1	AND	Verification of quanity, short supply if any	С	-do-	-do-	Packing List / CHP / MDCC/Challan	Packing List / CHP / MDCC/Challan	-do-		Report to Manufa supply.	
	UNLOADING	Package Condition	С	Visual	-do-	Packing List	Free from damages	-do-		Material Damage damage	Report in case of
			ı	1	1						
		Movement to warehouse	С	Visual	-do-	Manufacturer Installation Manual	No damage	-do-			
2	STORAGE	Storage Space	A	Physical	-do-	-do-	Instruction Manual	-do-			
2		Store Handling	С	Physical	-do-	-do-	Store in such a way which avoid direct mechanical hit with sharp objects	-do-			
			_		_						
		Documents Availaibity	С	Visual	-do-	Ensure availability of Manufacturers instruction manual, NTPC approved Layout drawing/data sheet etc.	Ensure availability of Manufacturers instruction manual, NTPC approved Layout drawing/data sheet etc.	-do-			
3	PRE - ERECTION	Tools, fixing hardware availability	С	Visual	-do-	Manufacturer Installation Manual	Manufacturer Installation Manual	-do-			
		Completeness of foundadtion, Cable trenches, floor opening for cables	С	Measure	Once before erection	NTPC approved civil drawing	NTPC approved civil drawing	-do-			
		Material Movement to site	С	Visual	-do-	Manufacturer Installation Manual	No damage	-do-			
		Unpacking of Material and its handling	С	Verify	-do-	Manufacturer Installation Manual	No damage	-do-			

LEGEND TO BE USED: CLASS#: A = CRITICAL, B=MAJOR, C=MINOR; 'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND

'C' SHALL BR WITNESSED BY MAIN SUPPLIER (A & B SHALL BE NTPC CHP STAGE)

<u></u>	-8.8.0	M = it ===er	IN	COTWO O	1 L 0 000	LIT PL N	QP No: REV No: 0 □□□		REVIEWED BY	APPROVED BY
<u> </u>	VTPC	(RECEIPT, STORAGE & ERECTION)	C N D M	NC TONTPC P	CIIIC TIII N		DATE: PAGE: VALID UPTO:			
Sl No	ACTIVITY AND OPERATION	CHARACTERISTICS	#CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORD		REMARKS
1	2	3	4	5	6	7	8	9	D*	10
		Lift the Panel by using proper material handling equipment and position the Panel in place.	С	Visual	100%	Manufacturer Installation Manual	Manufacturer Installation Manual	Logbook		
		Secure the enclosure mounting lugs to preinstalled anchoring with suitable bolts.	С	Electrical	100%	Manufacturer Installation Manual	Manufacturer Installation Manual	-do-		
		Ensure that base frames are securely tag welded	С	Visual	100%	Manufacturer Installation Manual	Manufacturer Installation Manual	-do-		
		Check verticality of Panels	С	Sprit Level	100%	NTPC approved	NTPC approved	-do-		
		Ensure that remaining units are lined up by placing packers of various thickness under each unit.	С	Visual	100%	NTPC approved	NTPC approved	-do-		
		Ensure that correct sequence of panel positioning is maintained as per layout drawing for both normal & phase reversal panels.	В	Visual	100%	NTPC approved drawing	NTPC approved drawing	-do-		
4	ERECTION	Check and ensure that un-plated contact surfaces, if any are thoroughly cleaned and electrical jointing compound applied on the surface after scratching with fine emery paper. Plated surfaces are to be cleaned with solvents.	C	Visual	100%	Manufacturer Installation Manual	Manufacturer Installation Manual	-do-		
		Check correctness of bus duct entry w.r.t. phase sequence for both normal & phase reversal panels.	В	Visual	100%	NTPC approved drawing	NTPC approved drawing	-do-		
		Ensure that the bolting surface are free from dust, grease and other contamination.	С	Visual	100%	Manufacturer Installation Manual	Manufacturer Installation Manual			
		Coupling Bolt/ Busbar connections tighntess	В	Visual	100%	Manufacturers instruction manual	Manufacturers instruction manual.	-do-	5% at randon	ı by NTPC
		Panel Earthing (including doors), its tightness & continuity to Earth Pit, no earthing of communication cable shield to panel		Visual and Electrical	100%	NTPC approved drawing/Installation Manual	NTPC approved drawing/Installation Manual	-do-		
		Ensure Vacuum Interrupers have not sufferd any damage	С	Visual	100%	Manufacturers instruction manual	Manufacturers instruction manual	-do-		
		Check for no moisture, dust deposition on interruper & insulator surface	С	Visual	100%	Manufacturers instruction manual	Manufacturers instruction manual	-do-		
		Check for compleness of interpanel wiring	С	Visual	100%	NTPC approved drawing	NTPC approved drawing	-do-		
		DS INDENTIFIED WITH "TICK" (Ö) SHALL BE ESSEN								_
		ED: CLASS# : A = CRITICAL, B=MAJOR, C=MINOR; 'A			Y NTPC FQA,	'B' SHALL BE WITNE	ESSED BY NTPC ERECTI	ON / CONS	TRUCTION DEPT	T. AND
		ESSED BY MAIN SUPPLIER (A & B SHALL BE NTPC C	HP STAGE)						
Forma	t No.: QS-01-Q	AI-P-10/F4-R1			2/3					Engg. Div./QA&l

_	-888	DATEM COOPMONTO	IN		1 L 0 000	LIT I PL IN	QP No: REV No: 0 DDDD		RE	VIEWED BY	APPROVED BY
87	HENTPC	M it e r (RECEIPT, STORAGE & ERECTION)	CONODOM	ONCO TO ONTPC OP	CIIICITII N		DATE: PAGE: VALID UPTO:				
Sl No	ACTIVITY AND OPERATION	CHARACTERISTICS	#CLASS OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORD		REM	MARKS
1	2	3	4	5	6	7	8	9	D*		10
		Check cable size for all input, output connections, communications, control connections and auxiliary power connections and check tightening torque of cable termination.	В	Visual	100%	Manufacturer instruction manual/NTPC Approved drawings	Manufacturer instruction manual/NTPC Approved drawings	-do-		5% at random by	NTPC
		Verifications that open entries/holes are plugged in.	С	Visual	100%	Manufacturer instruction manual	Manufacturer instruction manual	-do-			
		Ensure CT polarity & CT secondaries shorting where remote instruments are to be used.	В	Electrical	100%	NTPC approved drawing	NTPC approved drawing	-do-	5% at random by N	NTPC	
		Check Voltage artio of PT, in case mounting is done at site	С	Elec	100%	NTPC approved drawing	NTPC approved drawing	-do-			
		Check pad locking of doors	С	Visual	100%	NTPC approved drawings	NTPC approved drawings	-do-			
		Check interchangeability of breaker trolleys	C	Visual	100%	NTPC Specification	NTPC Specification	-do-			
		Check for manual spring charging, closing & tripping of the breaker	C	Visual	200%	NTPC Specification	NTPC Specification	-do-			
		Check for electrical spring charging, closing & tripping of the breaker	С	Visual	300%	NTPC Specification	NTPC Specification	-do-			
		Check degree of protection by paper inertion	В	Visual	400%	NTPC Specification	NTPC Specification	-do-			
		IR Test before & after the HV Test with 500V meggar for control circuit and 5.0KV Meggar for Power Ckt.	В	Electical/Megger/ Multi meter	100%	IEC 62271-200	IEC 62271-200	-do-			
		HV test on Power & control ckt at 90% of test voltage as per IEC-62271-200		Electical/Megger/ Multi meter	100%	IEC 62271-200	IEC 62271-200	-do-			
		DS INDENTIFIED WITH "TICK" (Ö) SHALL BE ESSEN									
		CD: CLASS# : A = CRITICAL, B=MAJOR, C=MINOR; 'A			Y NTPC FQA,	'B' SHALL BE WITNE	SSED BY NTPC ERECT	ION / CONS	TRU	CTION DEPTT.	AND
'C' SI	HALL BR WITNI	ESSED BY MAIN SUPPLIER (A & B SHALL BE NTPC C	HP STAGE)							
Form	at No.: QS-01-Q	AI-P-10/F4-R1			3/3				1		Engg. Div./QA&

SUPPI LO	LIER'S		INDICA ITEM: SWITE SUB-SYSTEM:	CHYARD	ELD QUA QP NO.: REV. NO.: DATE: PAGE: OF	LITY PLAN	PROJECT : PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO	ACTIVITY AN OPERATION	INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI		REMARKS
1. 1	2. GENERAL	3.	4.	5.	6.	7.	8.	9.	D*	10.
								M		
1.1		Check that all assemblies / components are properly packed i their original or similar packing w suitable clamps, brace and polythe covers as applicable.	ith	VISUAL	100%	INSTRUCTION MANUALS	Delivery challan	REGISTER		Periodic anti termite spray with durmet (cynamid) or equivalent on all wooden surfaces wherever applicable.)
1.2		Check that all packages are stored ventilated storage.	in a C	VISUAL	100%	INSTRUCTION MANUALS		SITE REGISTER		
1.3		Check that all small fragile items a stored in proper containers at safe locations to avoid any damage. En that this is stored as per instruction	sure	VISUAL	100%	MFGR. INSTRUCTION MANUAL.		SITE REGISTER		
	HANDLING IN	Thursday.								
	STORAGE									

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR			
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	IND	ICAT	IVE FI	ELD QUA	LITY PLAN	PROJECT :			
SUPPI LO	LIER'S GO			ITEM: S SUB-SYS		IAND	QP NO.: REV. NO.: DATE: PAGE: OF	·	PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLA OF CH		TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3. For easy identification Check that identification marks or tags are ke intact.	,	i.	5. VISUAL	6.	7. MFGR. INSTRUCTION MANUAL.	PL	9. SITE REGISTER	D*	10.
1.5			Check that the items are stored in systematic way for easy removal at to avoid any damage.	nd	3	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
1.6			Check that the heavy packages are stored one above the other.			VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
1.7			Check that suitable slings are used and that while handling there is no impact on packages. Fixure that it packages are not dropped.	1		VISUAL	100%	VISUAL, PACKING LIST AND BOM		SITE REGISTER		
1.8	1	M	Check that the instruction / erection manuals for all equipments have be received from manufacturer.		С	VISUAL	100%	TECHNICAL SPECS. & DRAWINGS.		SITE REGISTER		
1.9		Y	Check that a schedule of erection drawing is available in the instruct manual or is received separately.		C	VISUAL	100%	TECHNICAL SPECS. & DRAWINGS.		SITE REGISTER		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

SUPPLIER'S LOGO SUB-SYSTEM: SUB-SYSTEM: SL. NO ACTIVITY AND OPERATION CHARACTERISTICS / INSTRUMENTS CLASS# OF CHECK CONTRACT CO	F	EMARKS 10.
SL. NO OPERATION CHARACTERISTICS / INSTRUMENTS CLASS# OF CHECK CHECK OF CHE	ik.	
SL. NO OPERATION INSTRUMENTS CLASS# OF CHECK OF	ik.	
1.10 Check the availability of all C VISUAL 1 TECHNICAL SPECS. & SITE REGISTER documents, especially bill of materials, packing list layout drawing	D*	10.
documents, especially bill of materials, packing list layout drawing		
documents, especially bill of materials, packing list layout drawing		
packing list, layout drawing, structural general arrangement and		
structural general arrangement and		
erection drawings as per the schedule.		
1.11 Check whether all the mdcc & CHP of B VISUAL 1 TECHNICAL SPECS. & SITE		
equipments and associated material DRAWINGS. REGISTER		
are available at site.		
1.12 Check that the proper tools and C VISUAL 100% MFGRS. INSTRUCTION SITE		
tackles are used for transporting MANUAL REGISTER		
material to erection site		
1.13 Check that only required assemblies C VISUAL 100% LAYOUT DRAWING SITE		
and components are brought to AND FOUNDATION REGISTER		
erection site at the particular stage. DRAWING/ NTPC		
APPROVED DRG. &		
SPECN.		
1.14 Ensure that fragile items are handled C VISUAL 100% MANUFACTURER'S SITE	$\overline{}$	
carefully. REGISTER REGISTER		
INSTRUCTION.		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR			
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SI	UPPLIER'S NAME AND AD	DRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S OGO		ITI	EM: SWITC B-SYSTEM:	HYARD	QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO	ACTIVITY OPERAT	Y AND INSTR	TERISTICS / UMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.	2.		3.	4.	5.	6.	7.	8.	9.	D*	10.
2.0	EARTHING SYSTEM						M	Kriz			
	RECEIPT:						. 1 1 1				
2.1		Receiving Inspect	ion.	С	VISUAL	100%	MFGRS, INSTRUCTION MANUAL.		SITE REGISTER		
2.2		Visual examinatio	n	С	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
	STORAGE:										
2.3		Check that earthi	ng materials are	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
	ERECTION	:	$\overline{}$								
2.4	I	Check the Burial	depth of Earth mat.	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		* The earthmat of live portion and new portion shall be connected only under shutdown.
2.5		Check that the over	erlaps are jointed	С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
2.6		Check that proper for welding / braz	r electrodes are used	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		

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	ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
	LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINO	;			
MANUFACTURER/ MAIN-SUP SUB-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED F NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNES	FUK	1		
SIGNATURE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	IND	ICA'	TIVE F	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S OGO			SUB-SYSTEM: REV. NO.: DATE: PAGE: OF				PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS		ASS# HECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECOR		REMARKS
1.		2.	3.		4.	5.	6.	7.	8.	9.	D*	10.
2.7			Check that protective paints are applied wherever required.		C	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
2.8			Check that buried pipes are crossi the earth rods / strip from below.	ing		VISUAL	100%	MEGRS, INSTRUCTION MANUAL.		DO		
2.9			Check that all the structures of all equipments, all panels inside the building, cable supports, fences, g rail tracks etc are connected to ea mat.	ates,	c	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
3	MAIN AN AUXILIA STRUCT	ARY	ICAII.									
3.0	ISOLAT	OR										
	RECEIP	T:										
3.1			Check for any external damages to packing cases.	0	C	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		If packing case received is externally damaged lodge claim on carrier.

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR			
SUB-SUPPLIER			NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	INDICA	TIVE F	IELD QUA	LITY PLAN	PROJECT :			
SUPPL LO				ITEM: SWITO	CHYARD	QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		TY AND ATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI		REMARKS
1.	2	2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
3.2			Check that the required componer of the isolator have been received a per packing list.			100%	PACKING LIST AND BOM	Arr	SITE REGISTER		
3.3			Check for any visual damage to galvanized surface as the case may	B be.	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
3.4			Check for any shortage of compon or another damages.	ents C	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
3.5			Check all porcelains parts for any kind of physical damage or surface defects.	E E	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
	STORAG	E:									
	1	M	JC A.								If packing case received is externally damaged lodge claim on carrier.
3.6	,		Check for storing pi's away from inflammable material	C	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.				
3.7			Check for storing control cubicle / aux. switches in dry and covered places.	В	VISUAL	100%	DO				

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		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	2'S NAME AND ADDRESS			ELD QUA QP NO.:	LITY PLAN	PROJECT :				
	LIER'S OGO			ITEM: SWITCHYARD QP NO.: REV. NO.: DATE: PAGE: OF				PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:				
L. NO	ACTIVI OPERA	TY AND ATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS	
1.	2	2.	3.	4.	5.	6.	7.	8.	9.	D*	10.	
	ERECTIO	ON:							\			
3.8			Structure - Check the structure erected is as per NTPC approved dry	В.	VISUAL	100%	MFGRS. INSTRUCTION MANUAL AND NTPC APPROVED DRAWINGS	PLAI	SITE REGISTER			
							1	-				
3.9			Tighten foundation bolts properly	С	PHYSICAL	100%	MFGRS, INSTRUCTION MANUAL.		SITE REGISTER			
3.10			Install the base over the two structur columns	e C	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			
3.11			Install the rotor housing assembly of the base.	C	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			
3.12			Adjust by spirit level the horizontalion of the flange, of the rotor.	y A	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			
3.13	1	M	Install insulator support	С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			
3.14			Install the lever plates as per manufacturers manual	С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			
3.15			Couple the cross tandem pipe assembly	С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER			

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		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR			
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS]	INDICA	TIVE F	IELD QUA	LITY PLAN	PROJECT :			
	LIER'S OGO			ITEM: SWITCHYARD QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:					
SL. NO		ITY AND ATION	CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI	-	REMARKS
1.		2.	3.		4.	5.	6.	7.	8.	9.	D*	10.
3.16			Ensure equipment is erected with proper tools		С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.	DI A	SITE REGISTER		
3.17			Ensure correct phase sequence and location of operating mechanism.	d	В	PHYSICAL	100%	MFGRS. INSTRUCTION MANUAL.	1	SITE REGISTER		
3.18			Check for continuity for electrical connection.		В	PHYSICAL	100%	MEGRS, INSTRUCTION MANUAL.		SITE REGISTER		
3.19			Ensure operating mechanism is correctly assembled and erected. alignment is properly done	_	A	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
3.20			Check connections of the isolator.	K	C	PHYSICAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
3.21		1	Check for earthing of isolator points switch cubicles.	nts /	С	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
4.00	VOLTAG	ORMER PACITIVE										

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR			
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	S'S NAME AND ADDRESS	ITI	INDICA EM: SWITC		QP NO.:	LITY PLAN		PROJECT : PACKAGE :			
SUPPL LOC				SU	B-SYSTEM:		REV. NO.: DATE: PAGE: OF	·		CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTIC INSTRUMENTS	S /	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCI DOCUMENT		ACCEPTANCE NORMS	FORMAT RECORI		REMARKS
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.
	RECEIP	Τ:											
4.1			Check packing cases for external damaged and oil marks.	rnal	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
4.2			Check oil leveler mark on C	T/CVT	В	VISUAL	100%	PACKING LIST BOM		PLAN	SITE REGISTER		CTs to be stored at site as per the instruction manual of the manufacturer. The recommendations to be strictly followed. oil level to be checked when CT/CVT is
4.3			Check for the quantity and s supplies.	hort	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		received at site
4.4			Check the name plates CT/C reference numbers and generensure that the CT/CVT rect of required ratings.	rally	F	VISUAL	100%	PACKING LIST BOM AND APPRO			SITE REGISTER		
4.5	1	NT	Check for any mechanical da cracks, deformations or deep scratches.	-	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
			<u> </u>						I	DOC. NO.:			REV
MANUFA	ACTURE	R/	ESSE LEG MAIN-SUPPLIER 'A' S	ENTIALLY END TO I SHALL BE	Y INCLUDED BY BE USED: CLA E WITNESSED E	Y SUPPLIER SS # : A = CR SY NTPC FQA	VITH "TICK" (√) SI IN QA DOCUMEN' ITICAL, B=MAJO A, 'B' SHALL BE W	ΓΑΤΙΟΝ. R, C=MINOR; ITNESSED BY	FOR	DOC. NO.:			RE V
SUB-SUI		SIGNATU	DVA				T. AND 'C' SHALL L BE NTPC CHP S'		NTPC USE	REVIEWED BY	APPROVE	n pv	APPROVAL SEAL
EODM A			AI-P-09/F2-R1				PAGE 9 OF	1 3 2	COL	KEVIEWEDBY	ALTROVE		CNGG. DIV./QA&I

SUPPLI LOG		SUPPLIER	YS NAME AND ADDRE	TERISTICS / CLASS# TYPE OF QUANTUM REFERENCE					N	PROJECT: PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:				
SL. NO		ITY AND AATION	CHARACTER INSTRUMI		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCI DOCUMENT		ACCEPTANCE NORMS	FORMAT RECOR	_	REMARKS	
1. 4.6		2.	3. Check for porcelain pachipping, cracks etc.	art for damages,	4. C	5. VISUAL	6. 100%	7. PACKING LIST BOM	AND	PLA	9. SITE REGISTER	D*	10.	
4.7			Check for damages of terminal & primary to CT/CVT.	•	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
4.8			Check that the termina markings for primary neutral of CVTs are cl per approved drawing	terminal and early marked as	c	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
4.9			Check the fixing insert condition and that the to the threads.		C	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
4.10	1	M	Check particularly for crack or damage to CV and base.	•	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
4.11			Ensure proper and can packages as well as inc since fragile items.	· ·	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
MANUFA SUB-SUP	PLIER	r/ SIGNATU	MAIN-SUPPLIER	ESSENTIALLY LEGEND TO I 'A' SHALL BE NTPC ERECTION	Y INCLUDED BY BE USED: CLASE WITNESSED B ON / CONSTRUC	Y SUPPLIER 1 SS # : A = CRI SY NTPC FQA CTION DEPT	TITH "TICK" (√) SI IN QA DOCUMEN' ITICAL, B=MAJO , 'B' SHALL BE W I'. AND 'C' SHALL L BE NTPC CHP S'	TATION. R, C=MINOR; ITNESSED BY BE WITNESSED	FOR NTPC USE	DOC. NO.:	APPROVI	ED BY	REV	

SUPPLI LOG		SUPPLIER	'S NAME AND ADDRESS	INDICATIVE FIELD ITEM: SWITCHYARD QP RE SUB-SYSTEM: DA PAGE ERISTICS / CLASS# TYPE OF A					PROJECT : PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		ITY AND AATION	CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECOR		REMARKS
1.		2.	3.		4.	5.	6.	7.	8.	9.	D*	10.
	STO	RAGE:										
4.12			Check that CTs & CVTs are st a place protected from dirt, du- ingress of moisture.		В	VISUAL	100%	MFGRS. INSTRUCTIO	ON ON	DO		
4.13			Check that the rating plate and marking on the CTs & CVTs a properly protected during stora	re kept	С	VISUAL	100%	MFGRS, INSTRUCTION MANUAL.	PLI	DO		
	ERECTION	ON:									+ +	
4.14			Check for oil marks damage or other defect of primary and sectorminals.	•	c	VISUAL	100%	MFGRS. INSTRUCTIO MANUAL.	ON .	SITE REGISTER		
4.15			Ensure the lifting of CT using l lugs only (protect porcelain)	fting	C	VISUAL	100%	MFGRS. INSTRUCTIO	ON	SITE REGISTER		
4.16		1	Erection of ctls as per instruction and Check for tighteninall the bolts/and nuts.		С	PHYSICAL	100%	MFGRS. INSTRUCTIO MANUAL.	ON .	SITE REGISTER		
4.18	1	M_{I}	Check earthing terminal for connections to earth mat at corlocation.	rect	В	VISUAL	100%	APPROVED DRAWIN AND MFGRS. INSTRUCTION MANUAL.	G	SITE REGISTER		
			ESSEN LEGEN	FIALLY N D TO B	INCLUDED BY BE USED: CLA	Y SUPPLIER SS # : A = CR	/ITH "TICK" (√) S. IN QA DOCUMEN' ITICAL, B=MAJO	ΓΑΤΙΟΝ. R, C=MINOR;	DOC. NO.:			REV
MANUFA SUB-SUP	PLIER	SIGNATU	NTPC I	RECTIO	ON / CONSTRU	CTION DEPT	T. AND 'C' SHALL BE W T. AND 'C' SHALL L BE NTPC CHP S'	BE WITNESSED NT US	PC	APPROVI		APPROVAL SEAL

		SUPPLIER	R'S NAME AND ADDRESS]	INDICA'	TIVE F	IELD QUA	LITY PLAN	PROJECT :			
	LIER'S DGO				M: SWITC -SYSTEM:	CHYARD	QP NO.: REV. NO.: DATE: PAGE: OF	··	PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		TTY AND RATION	CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.		4.	5.	6.	7.	8.	9.	D*	10.
4.19			Mount the ct on structure ensurin correct polarity and level with res to al. tube. Tighten the bolts as pe instruction given by the manufact	pect er the	В	PHYSICAI	100%	APPROVED DRAWING AND MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
4.20			Check for connection made for pr	oper	С	VISUAL	100%	1.RATING PLATE 2.CONNECTION DIA. 3.MANUFACTURER INSTRUCTIONAL MANUAL.	PLAI	SITE REGISTER		
5	LIGHTN ARREST					. 1	10/					
	RECEIP	T:				11						
5.1			Check for any external damages to packing case.			VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		If packing case received in damaged condition lodge claim on carrier obtain odc endorse.
5.2	_	M	Check for receipt of all component per-packing list.	nts as	С	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		do

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
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		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR	1		
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATU	IRE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	INDICA ITEM: SWITC	HYARD	QP NO.:	LITY PLAN	PROJECT : PACKAGE :			
	LIER'S OGO			SUB-SYSTEM:	:	REV. NO.: DATE: PAGE: OF	·	CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
5.3			Ensure rating etc. as per order	С	VISUAL	100%	APPROVED EKD, PACKING LIST AND BOM	PLA	SITE REGISTER		counter check by NTPC
5.4			Check for any damages to porcelai	n C	VISUAL	100%	VISUAL AS PER PACKING LIST AND BOM		SITE REGISTER		counter check by NTPC
5.5			Check that the material is as per order.	С	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		counter check by NTPC
	STORAG	E:									
5.6			Check that the rated arrestors are stored properly to preyent the woo or cases getting damaged.		VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
5.7	1	W	store counters, corona rings and supports safety to prevent from du dirt etc.	B st,	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
	ERECTI	ON!									
5.8			Remove arrestor from the contains and clean all surfaces of the arrest thoroughly.		VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
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SUB-SUPPLIER			NTPC			
SIGNATU	IRE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	INDI	CATIVE	FIELD	QUA	LITY PLAN	PROJECT :			-
SUPPL LO					VITCHYARD	QP NO REV. I DATE:).: NO.:		PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLAS OF CHI		_	NTUM CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.	4.			6.	7.	8.	9.	D*	10.
5.9			Check for order, assembly master name plat etc. as per approved drawing.	С	VISUA	L 10	00%	APPROVED DRAWING	PLAI	SITE REGISTER		
5.10			arrestor should be erected by / handled with a chain pulley and ny rope round around the porcelain for installations.		VISUA	L 10	00%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
5.11			For arrestor provided with insulat base, the base must be bolted to the structure.		VISUA		00%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
5.12			Surge monitor should be mounted per drg. at a convenient height and should be connected in parallel wit insulating base.	1		10	00%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
5.13	1	M	During installation care should be taken to avoid corona rings strikin the porcelain.	g	VISUA	L 10	00%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
5.14)	ensure that no intermediate earthi connection shall make to earthing leads.	ng A	VISUA	L 10	00%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIEF	R'S NAME AND ADDRESS		INDICA M : SWITC		IELD QUA	LITY PLAN	1	PROJECT : PACKAGE :			
	LIER'S GO				-SYSTEM:		REV. NO.: DATE: PAGE: OF	·		CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		TTY AND RATION	CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT		ACCEPTANCE NORMS	FORMAT RECOR		REMARKS
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.
6.0	CLAMPS									3.	•		
(1	RECEIP	Т:	Charles and free feed a		C	VISUAL	1000/	DACIZING LICT	AND		SITE		
6.1			Check pkg. cases for external da	ımage.	C	VISUAL	100%	PACKING LIST A BOM	AND	DI	REGISTER		
6.2			Check for quantity of each type clamp as per the packing list. C size / physical arrangement as p drawings.	heck	C	VISUAL	100%	PACKING LIST A BOM	AND		SITE REGISTER		
6.3			Check for its physical appearan any possible damage such as scratches, deep cut etc. during t		С	VISUAL	100%	PACKING LIST A BOM	AND		SITE REGISTER		
	STORAC	GE		1									
6.4			Check that clamps & connector stored in a place protected from dust and ingress of moisture.		B	VISUAL	100%	MFGRS. INSTRUC MANUAL.	TION		DO		
6.5	1	M	Check that clamps & connector kept in packed condition or atle covered with polythene covers.		В	VISUAL	100%	MFGRS. INSTRUC MANUAL.	TION		DO		
	FACTURE	·R/	ESSENTI LEGEN 'A' SH.	TIALLY I D TO BI ALL BE V	INCLUDED BY E USED: CLA WITNESSED E	Y SUPPLIER SS # : A = CR SY NTPC FQA	VITH "TICK" (√) SI IN QA DOCUMEN' ITTICAL, B=MAJO A, 'B' SHALL BE W T. AND 'C' SHALL	ΓΑΤΙΟΝ. R, C=MINOR; ITNESSED BY	FOR	DOC. NO.:			REV
SUB-SU	PPLIER (SIGNATU	DVMA	NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE) NTPC USE REVIEWE						REVIEWED BY	APPROVI	ED BY	APPROVAL SEAL
ODM			AL-P_00/F2_R1	3Y MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE) USE REVIEWED BY APPROVED BY APPROVED BY								NGC DIV/OA&	

	LIER'S GO	PLIER'S NAME AND ADDRESS	ITEM SUB-S	NDICA' : SWITCH	HYARD	IELD QUA QP NO.: REV. NO.: DATE: PAGE: OF	LITY PLAN	PROJECT : PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO	ACTIVITY A	INSTRUMENTS	1 '	CLASS# F CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI		REMARKS
1.	2.	3.		4.	5.	6.	7.	8.	9.	D*	10.
6.6	ERECTION:	Erection of clamps & connec per drawing.	tors as	В	VISUAL	100%	APPROVED DRAWING AND MFGRS. INSTRUCTION MANUAL.		DO		
6.7		Clamps & connectors tighter respective equipment as per equipment.		В	VISUAL	100%	APPROVED DRAWING AND MEGRS: INSTRUCTION MANUAL.	PLI	DO		
7.0	INSULATORS AND INSULATION HARDWARES	TOR			11	QU					
7.1	RECEIPT:	External damage to pkg.	VE	C	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		If packing case received in damaged condition lodge claim on carrier obtain odc endorse LR/RR. lodge claims. Counter check by NTPC.

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SUPP	LIER'S NAME AND ADDRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S OGO		ITEM: SWITCHYARD QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO	O ACTIVITY AND OPERATION CHARACTERISTICS INSTRUMENTS 2. 3.		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
7.2		Check for quantity and ensure that entire quantity duly inspected and cleared by NTPC.	С	VISUAL	100%	PACKING LIST AND BOM	PLAN	SITE REGISTER		do
7.3		Check for surface defects / damage of insulator, cracks scratches and chipping of cementing portion.	of B	VISUAL	100%	VISUAL, PACKING LIST AND BOM		SITE REGISTER		do
7.4		galvanize and visual defects of metal parts and any slackness of metal par and chips etc.		VISUAL	100%	VISUAL, PACKING LIST AND BOM		SITE REGISTER		do
7.5		Ensure properly repacked to avoid any damage before sending for storage.	Ekr	VISUAL	100%	VISUAL, PACKING LIST AND BOM AS PER MFGRS. INSTRUCTION MANUAL		SITE REGISTER		do
	STORAGE:									
7.6		Check that insulators & insulator hardware are stored in a place protected from dirt, dust and ingres of moisture.	B	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		do

	LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE					REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	S	SUPPLIER'	'S NAME AND ADDRESS		INDICA	TIVE F	IELD QUA	LITY PLAN	PROJECT :			
	LOGO CHARACTERISTI			SUB-SYSTEM: REV			QP NO.: REV. NO.: DATE:	REV. NO.: DATE:		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:		
SL. NO	ACTIVITY OPERAT		CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI	-	REMARKS
1.	2. ERECTION		3.		4.	5.	6.	7.	8.	9.	D*	10.
7.8			Remove insulator from wooden cand clean the surface of insulator		В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		do
7.9			Install the insulator and hardwar	e as	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.	PLAI	DO		do
8.0	EARTH WI AND ACSR CONDUCTO	₹						ALIT'				
	RECEIPT:						111					
8.1			Check conductor for drums for damage that they are in a good condition to be rolled without damaging the conductor.	F	C	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		SITE REGISTER		
8.2		11	Check for physical appearance at damage to conductor specially tw layers and end-seals and NTPC is	o top	С	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		
	STORAGE:	111	<i>)</i> *									

	LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE					REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SUPPLIEF	R'S NAME AND ADDRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S GO			SUB-SYSTEM:		QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:		
SL. NO	ACTIVITY AND OPERATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECOR		REMARKS
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
8.3		Check that earthwire & ACSR conductors are stored in a place protected from dirt, dust and ingr of moisture.	B	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.	PLAN	DO		
8.4		Check that earthwire & ACSR conductors are kept in packed condition or atleast covered with polythene covers.	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
	ERECTION:									
8.5		The paving of earth wire and conductor should be over ground drum to avoid direct contact and scratches from the soil.	EFI	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
8.6		Check the proper alignment and tightening before crimping the lug		VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO		
9.0	3"/4" IPS ALUMHNIUM TUBE (IF APPLICABLE									
	RECEIPT:									

	LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE					REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR			
SUB-SUPPLIER			NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS	INDIC	ATIVE F	IELD QUA	ALITY PLAN	PROJECT :			
	LIER'S IGO			ITEM: SWITCHYARD QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHEC	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
9.1			Check for quantity	C	VISUAL	100%	1	PLAN	DO		If packing case received in damaged condition lodge claim on carrier obtain odc endorse LR/RR.
9.2			Check for physical conditions crac scratches, during transit.	ks, C	VISUAL	100%	VISUAL, PACKING LIST AND BOM		SITE REGISTER		No physical damage.
	STORAG	GE:			- 1						
9.4			Check that aluminium tubes are ke in packed condition or atleast cove with polythene covers.	•	VISUAL	100%	DO		DO		
	ERECTION	ON:									
9.5	1	NT	Polishing the al. tube to remove the scratches and measurement of ID a OD to ensure the minimum thickness per specification.	ınd	PHYSICAL	L 100%	NTPC APPROVED DRGS. & TECHNICAL SPECS.		SITE REGISTER		
9.6			Check the proper alignment for complete al. tube is achieved and verified before any welding.	С	VISUAL	100%	NTPC APPROVED DRGS. & TECHNICAL SPECS.		SITE REGISTER		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SUPPLIE	R'S NAME AND ADDRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S GO		ITEM: SWITCHYARD SUB-SYSTEM:		QP NO.: REV. NO.: DATE: PAGE: OF	· · · · ·	PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:			
SL. NO	ACTIVITY AND OPERATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI		REMARKS
1. 9.7	2.	3. Before the welding Check that no inflammable material is present around the work spot.	4. C	5. VISUAL	6. 100%	7. VISUAL	PLA	9. SITE REGISTER	D*	10.
9.8		Check that the porcelain are protected before doing any welding on al. tubes	С	VISUAL	100%	DO		SITE REGISTER		
9.9		Check that welding is done by only qualified and approved welder, whose performance has been pre-tested with a test piece at site strictly in accordance with the approved welding procedure with recommended welding material and welding machine and the strength of the weld joint is not less than of present material strength. ensure that welding rods are ISI make only	FI	NCE TEST AT SITE		AS PER NTPC APPROVED WPS		SITE REGISTER		WPS to be submitted for NTPC approval.If welders to be qualified prior start of work.

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SUPPLIE	R'S NAME AND ADDRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
SUPPL LO			SUB-SYSTEM: RE		QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO	ACTIVITY AND OPERATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
9.10		Ensure that the welding of al. tube are done as per instructions and that best quality welding is achieved. Strict adherence to instructions given in manual and as per approved procedure should be ensured. Check that the alignment of tubes are	В	VISUAL	100%	ELECTRICAL LAYOUT DRAWINGS,/ INSTRUCTION MANUAL WELDING INSTRUCTIONS.	PLAN	SITE REGISTER		Counter check by NTPC.
		done as per instructions and that best quality welding is achieved.		ELL		DRAWINGS,/ INSTRUCTION MANUAL WELDING INSTRUCTIONS.		REGISTER		
9.12	M	Dye penetration test	A	PHYSICAL	10%	AS PER INSTRUCTION MANUAL		SITE REGISTER		

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIEF	R'S NAME AND ADDRESS		INDICA	TIVE F	IELD QUA	LITY PLAN	1	PROJECT :				
SUPPLIER'S LOGO					M: SWITC B-SYSTEM:		QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO		CHARACTERIS INSTRUMENT		ISTICS / CLASS# TYPE OF		QUANTUM OF CHECK	REFERENCE DOCUMENT		ACCEPTANCE NORMS	FORMAT OF RECORD		REMARKS		
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.	
9.13			X-ray on welded joint test		A		10%	GDCD	Y	PLAN	SITE REGISTER		Location of the x-ray test will be selected by NTPC and failure shall be reviewed by NTPC radiography on welded joint will be checked on 10% of the total length of circumferential.	
10.0	CIRCUI' BREAKI													
	RECEIP	T:				. 1								
10.1			Check for any external dama packing case.	ges to	C	VISUAL	100%	PACKING LIST A	AND		SITE REGISTER			
10.2			Check that the required com of circuit breaker have been as per packing list / bill of ma	eceived	C	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER			
10.3	1	M	Check for any visual damage galvanising/ painting as the c be.		C	VISUAL	100%	PACKING LIST A	AND		SITE REGISTER			
			LEG	END: *	RECORDS, INI	DENTIFIED V	VITH "TICK" (√) SI	HALL BE		DOC. NO.:			REV	
	ACTURE PPLIER		MAIN-SUPPLIER SSE LEGI 'A' S NTPG	NTIALLY E ND TO B HALL BE ERECTION	INCLUDED BY SE USED: CLA WITNESSED E ON / CONSTRU	Y SUPPLIER SS # : A = CR BY NTPC FQA CTION DEPT	IN QA DOCUMENT SITICAL, B=MAJO A, 'B' SHALL BE W T. AND 'C' SHALL LL BE NTPC CHP S'	TATION. PR, C=MINOR; ITNESSED BY . BE WITNESSED	FOR NTPC		A Dan Com	In Par	LANDON W. CO. L.	
EODM		SIGNATU	RE				PAGE 23 OF	,	USE	REVIEWED BY	APPROVE		APPROVAL SEAL	

	SU	SUPPLIER'S NAME AND ADDRESS			NDICA	TIVE F	IELD QUA	PROJECT :					
SUPPLI LOG				ITEM: SWITCHYARD SUB-SYSTEM:		HYARD	QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
L. NO ACTIVITY OPERAT		INSTRUMENTS		C	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		REMARKS	
1.	2.		3.		4.	5.	6.	7.	8.	9.	D*	10.	
10.4		and of	for any shortage of compo any other damages in acce of condensation of moisture member/ driving unit critic	ssible in	С	VISUAL	100%	PACKING LIST AND BOM	PLAI	SITE REGISTER			
10.5		Check	all porcelain parts		C	VISUAL	100%	VISUAL					
10.6		Check smell.	for gas leakage / oil leakag	e /	В	VISUAL	100%	MANUFACTURER'S INSTRUCTION MANUAL.		SITE REGISTER		counter check by NTPC	
10.7		Check	ng of parts under gas pres the cleanliness of compone nent received, dirt, girt, soi f any	nts	C	VISUAL	100%	MANUFACTURER'S INSTRUCTION MANUAL.		SITE REGISTER			
,	STORAGE:	11177											
10.8			that CBs are stored as per acturer instruction.		В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO			
10.9			for storing CBs away from able material.	the	В	VISUAL	100%	MFGRS. INSTRUCTION MANUAL.		DO			
	ERECTION :	:											

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:	REV	
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIER	'S NAME AND ADDRESS]	INDICA	TIVE F	TE	LD QUA	LITY PLAN	PROJECT :				
SUPPLIER'S LOGO					ITEM: SWITCHYARD SUB-SYSTEM:		QI RI Da	P NO.: EV. NO.: ATE: AGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO	L. NO ACTIVITY AND OPERATION		CHARACTERISTICS / INSTRUMENTS		CLASS# TYPE OF CHECK		`		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS	
1.		2.	3.		4.	5.		6.	7.	8.	9.	D*	10.	
10.1			Completeness of erection of breaked per drg. and manual in correct phase sequence and location with proper tools.	ase	С	VISUAL		100%	APPROVED DRAWINGS AND MFGRS. INSTRUCTION MANUAL	PLAN	SITE REGISTER			
10.11			Wires and bus connection and tightness of below connections.		С	VISUAL		100%	APPROVED DRAWINGS AND MFGRS. INSTRUCTION MANUAL		SITE REGISTER			
10.12			Cable terminators and electrical continuity Check.		В	PHYSICA		100%	APPROVED DRAWINGS AND MFGRS. INSTRUCTION MANUAL		SITE REGISTER			
10.13			Leakage of air (sf6 gas)	I	В	PHYSICAL	L	100%	APPROVED DRAWINGS AND MFGRS. INSTRUCTION MANUAL		SITE REGISTER			
10.14	1	M	Check for earthing connection		В	VISUAL		100%	APPROVED DRAWINGS AND MFGRS. INSTRUCTION MANUAL		SITE REGISTER			

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS # : A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY	FOR	1		
SUB-SUPPLIER		NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	NTPC			
SIGNATURE		BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		SUPPLIE	R'S NAME AND ADDRI	ESS	INDICA	TIVE F	IELD QUA	LITY PLAN	I	PROJECT :				
SUPPLIER'S LOGO					TEM: SWITC		ARD QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:				
SL. NO		TTY AND RATION	CHARACTEF INSTRUM		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT		ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS	
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.	
10.15			Connection in between unit and control unit.		e C	VISUAL	100%	APPROVED DRAW AND MFGRS INSTRUCTION MANUAL			SITE REGISTER			
10.16			Check for tightening of nuts	of all bolts &	В	PHYSICAL	L 100%	APPROVED DRAW AND MEGRS INSTRUCTION MANUAL		PLI	SITE REGISTER		Counter check by NTPC	
11.0	RELAY PROTEC PANEL					11	Qt							
11.1	RECEIP	T:	Check for any externa packing.	al damages to	C	VISUAL	100%	PACKING LIST A	AND		SITE REGISTER		If packing case received in damaged condition lodge claim on carrier obtain odc endorse LR/RR.	
11.2	1	M	Check that all require have been properly m		С	VISUAL	100%	PACKING LIST A BOM	AND		SITE REGISTER			
11.3			Ensure that the items received as loose supp		re C	VISUAL	100%	PACKING LIST A BOM	AND		SITE REGISTER			
				ESSENTIALL LEGEND TO	Y INCLUDED B BE USED: CLA	Y SUPPLIER SS # : A = CR	VITH "TICK" (√) S. IN QA DOCUMEN' ITICAL, B=MAJO A. 'B' SHALL BE W	TATION. OR, C=MINOR;		DOC. NO.:			REV	
SUB-SU	ANUFACTURER/ JB-SUPPLIER SIGNATURE			NTPC ERECT	TION / CONSTRU	CTION DEPT	T. AND 'C' SHALL L BE NTPC CHP S	L BE WITNESSED	FOR NTPC USE	REVIEWED BY	APPROVE		APPROVAL SEAL	
ORMA	T NO.:	OS-01-O A	AI-P-09/F2-R1				PAGE 26 OF	32				F	NGG. DIV./QA&	

		SUPPLIER	S'S NAME AND ADDRE	ess	INDICA	TIVE F	TIELD QUA	LITY PLAN	N	PROJECT :			
	SUPPLIER'S LOGO				EM: SWIT JB-SYSTEM:	CHYARD	HYARD QP NO.: REV. NO.: DATE: PAGE: OF			PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTER INSTRUMI		CLASS# OF CHECK	TYPE OF CHECK	-	REFERENCI DOCUMENT		ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.
11.4			Check that the compormounted are not dama any missing items to re	ged. damage of	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		Counter check by NTPC
11.5			Check the doors are op properly and keys are		С	VISUAL	100%	VISUAL, PACKING AND BOM	G LIST	PLI	SITE REGISTER		No damage to panels acceptable, if any damage complaint to transport insurance agency and supplier.
11.6			Check for loose wires	~1F	FI	VISUAL	100%	VISUAL, PACKING AND BOM	G LIST		SITE REGISTER		Check up with wiring drawing about loose wires loose left tree. counter check by NTPC.
11.7	1	M	Check if gaskets are pudamage or missing.	roper and no	С	VISUAL	100%	VISUAL, PACKING AND BOM	G LIST		SITE REGISTER		No damage and missing gaskete are acceptable and complaint to suppliers. Counter check by NTPC.
11.8			Check if indicating but are received.	bs and fuses	C	VISUAL	100%	VISUAL, PACKING AND BOM	G LIST		SITE REGISTER		
MANUFA		R/	MAIN-SUPPLIER	ESSENTIALLY LEGEND TO 'A' SHALL BY	Y INCLUDED BY BE USED: CLA E WITNESSED E	Y SUPPLIER SS # : A = CR BY NTPC FQA	WITH "TICK" (√) S IN QA DOCUMEN RITICAL, B=MAJO A, 'B' SHALL BE W	TATION. OR, C=MINOR; ITNESSED BY	FOR	DOC. NO.:			REV
SUB-SUP	,	SIGNATU	RE				T. AND 'C' SHALL LL BE NTPC CHP S	TAGE)	NTPC USE	REVIEWED BY	APPROVE		APPROVAL SEAL

SUPPLIE	R'S NAME AND ADDRESS					LITY PLAN		PROJECT :					
CUDDI	IED1C			ITE	M: SWITC	HYARD	QP NO.:			PACKAGE :			
SUPPL LO				CITE	B-SYSTEM:		REV. NO.: DATE:			CONTRACT NO.:			
				301)-0101EWI.		PAGE: OI	F		MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTICS INSTRUMENTS	,	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT		ACCEPTANCE NORMS	FORMAT RECOR		REMARKS
1.		2.	3.		4.	5.	6.	7.		8.	9.	D*	10.
11.9		-	Check glass / relays / instrument in tack.	its are	C	VISUAL	100%	VISUAL, PACKING I	LIST	Bris	SITE REGISTER		
	STORAC	GE:						1	-				
11.1			Check panels are properly pac	ked.	В	VISUAL	100%	MFGRS, INSTRUCT MANUAL	TION		SITE REGISTER		
11.11	supplier's recor		Check panels are kept as per supplier's recommendation		В	VISUAL	100%	MFGRS. INSTRUCT MANUAL	TION				
11.12			Check panels are kept safely	1	7	VISUAL	100%	MFGRS. INSTRUCT MANUAL	ΓΙΟΝ				
11.13			Check panels are kept above the ground as per supplier's recommendations.	e	В	VISUAL	100%	MFGRS. INSTRUCT MANUAL	TION				
11.14	1	M	Check panels are kept away from yehicle moving area and easily accessible for shipments.	om	В	VISUAL	100%	MFGRS. INSTRUCT MANUAL	TION		DO		
	ERECTI	ON:											
11.15			Check foundation / ground leve	el	В	VISUAL	100%	APPROVED DRAWI AND LAYOUT DR			SITE REGISTER		
11.16	11.16		Check holes / foundations bolts provided as per the civil drawing panel drawing.		В	VISUAL	100%	APPROVED DRAWI AND LAYOUT DR			SITE REGISTER		
			<u> </u>					<u> </u>		DOC NO	<u> </u>		DEV
			ESSEN LEGEN	TIALLY ND TO B	INCLUDED BY SE USED: CLAS	SUPPLIER I	ITH "TICK" (√) S N QA DOCUMEN TICAL, B=MAJO	TATION. OR, C=MINOR;		DOC. NO.:			REV
	R-SUPPLIER NTP				ON / CONSTRU	CTION DEPT	, 'B' SHALL BE W T. AND 'C' SHALL L BE NTPC CHP S	BE WITNESSED	FOR NTPC USE	REVIEWED BY	APPROVI	ED RV	APPROVAL SEAL
			ALD 00/E2 D1				DACE 29 OI			ILL . IL II ED DI			NCC DIV/OA &I

		SUPPLIER	'S NAME AND ADDRESS	INDICA	TIVE F	IELD QUA	LITY PLAN	PROJECT :			
	LIER'S OGO			ITEM: SWITO	CHYARD	QP NO.: REV. NO.: DATE: PAGE: OF		PACKAGE : CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT (RECORI		REMARKS
1.		2.	3.	4.	5.	6.	7.	8.	9.	D*	10.
11.17			Check that panels are in level & in line	В	VISUAL	100%	VISUAL	bring	SITE REGISTER		
11.18			Check panels are bolted properly	С	VISUAL	100%	VISUAL	-	SITE REGISTER		
11.19			Check that no damage to panel wil take place during erection.	I C	VISUAL	100%	VISUAL		SITE REGISTER		
11.20			Check provision for cable entry fro tray upto panel.	om c	VISUAL	100%	VISUAL		SITE REGISTER		Panel wiring to be done at site so that connection traceability is proper and panel does not look shabby
12	MARSHA BOX / JU BOX RECEIP	JNCTION	ICATIV	С	VISUAL				SITE REGISTER		
12.1			Check for external damage to pack	ing C	VISUAL	100%	PACKING LIST AND BOM		SITE REGISTER		No physical damage. If pkg. extremely damaged take odc endorse LR/RRlodge claim.

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.				
		LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	SUPPLIE	ER'S NAME AND ADDRESS	П	NDICA	TIVE F	IELD QUA	LITY PLAN	N	PROJECT :			
SUPPLIE LOGO				¹ : SWITC SYSTEM:		QP NO.: REV. NO.: DATE: PAGE: OF	·		PACKAGE: CONTRACT NO.: MAIN-SUPPLIER:			
SL. NO	ACTIVITY AND OPERATION	CHARACTERISTICS / INSTRUMENTS		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCI DOCUMENT		ACCEPTANCE NORMS	FORMAT RECORI	-	REMARKS
1.	2.	3.		4.	5.	6.	7.		8.	9.	D*	10.
12.2		Check for the quantity general appearance physical condition a paint work. no rust on MKs and when material is received at site	l JB's	C	VISUAL		PACKING LIST BOM	AND	pLAN	SITE REGISTER		No physical damage. If pkg. extremely damaged take odc endorse LR/RRlodge claim.
		Check that all required mounting have been properly mounted, end that the items not mounted are received as loose supply.	Ü	C	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
12.4	12.4 Check that the termin terminals are not dam		/	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
12.5		Check that necessary cable glan called for, have been lifted or re loose along with required quant inter connecting cables.	ceived	E	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
12.6		Check the doors are operating a properly lockable and that keys available		С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
12.7	17	Check that the heater, illuminated lamp and their wiring are intact wherever provided.	Ü	С	VISUAL	100%	PACKING LIST BOM	AND		SITE REGISTER		
		LECEN	(D. * P.	ECODDS INT	JENITIEIED V	VITH "TICK" (√) SI	JAII DE		DOC. NO.:			REV
MANUFAC SUB-SUPPI		MAIN-SUPPLIER ESSENT LEGEN 'A' SH. NTPC E BY MA	FIALLY IN I D TO BE ALL BE W RECTION	NCLUDED BY USED: CLAS VITNESSED B V / CONSTRU	Y SUPPLIER SS # : A = CR BY NTPC FQA CTION DEPT	VITH "TICK (V) SI IN QA DOCUMEN". ITTICAL, B=MAJO A, 'B' SHALL BE W T. AND 'C' SHALL L BE NTPC CHP S'	TATION. R, C=MINOR; ITNESSED BY BE WITNESSED	FOR NTPC USE	REVIEWED BY	APPROVE	ED BY	APPROVAL SEAL
2002515		MI D 00/E2 D1				DACE 20 OF		<u> </u>				NCC DIV/OA &I

	S	SUPPLIER	'S NAME AND ADDRESS		INDICA EM: SWITC		IELD QUA	LITY PLA		PROJECT : PACKAGE :			
SUPPLIE LOGO				SUI	B-SYSTEM:		REV. NO.: DATE: PAGE: OF	···.		CONTRACT NO. : MAIN-SUPPLIER:			
SL. NO	ACTIVIT OPERA		CHARACTERIST INSTRUMENT		CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENC DOCUMEN		ACCEPTANCE NORMS	FORMAT RECOR	_	REMARKS
1.	2.		3.		4.	5.	6.	7.		8.	9.	D*	10.
12.8	•		Check for gasketing is promissing. Check any glass in (fragile) broken/missing. (instruments, gauges, meter their position.	items Check relays,	C	VISUAL	100%	PACKING LIST BOM	AND	PLAI	SITE REGISTER		
ST	ГОRAGE	:											
12.9			Check that marshalling be junction boxes are stored protected from dirt, dust a of moisture.	in a place	B	VISUAL	100%	MFGRS. INSTRU MANUAL.			DO		
12.10		1	Check that marshalling b junction boxes are kept in condition or atleast covere polythene covers	packed	В	VISUAL	100%	MFGRS. INSTRU MANUAL.			DO		
El	RECTIO	No. 1	11										
12.11	To erect in foundation with size of foundation bolts with washer. erection in vertical as per drawing.		ith nut and	В	VISUAL	100%	MFGRS. INSTRU MANUAL IF AN APPROVED DRA	Y OR		DO			
			Correct placement, alignn	nent &									
			levelling of MBs.										
-		Ī					-		1	l noc vo			DEM
MANUFAC SUB-SUPPI	IANUFACTURER/ MAIN-SUPPLIER				INCLUDED BY BE USED: CLAS WITNESSED B ON / CONSTRU	Y SUPPLIER 1 SS # : A = CRI SY NTPC FQA CTION DEPT	VITH "TICK" (√) SI IN QA DOCUMEN' ITICAL, B=MAJO ., 'B' SHALL BE W I'. AND 'C' SHALL	TATION. DR, C=MINOR; ITNESSED BY L BE WITNESSED	FOR NTPC	DOC. NO.:			REV
	SIGNATURE			Y MAIN SUPI	PLIER (A & B (CHECK SHAL	L BE NTPC CHP S'	TAGE)	USE	REVIEWED BY	APPROVI	ED BY	APPROVAL SEAL
DD 5 4 4 4	310 0		I D 00/E2 D1				DACE 21 OF	2.2	•	•	•		NCC DIV/OAR

		SUPPLIER	S'S NAME AND ADDRESS	INDICA	TIVE FI	ELD QUA	LITY PLAN	PROJECT :			
	LIER'S			ITEM: SWIT	1	QP NO.: REV. NO.:		PACKAGE:	_		
LO	GO			SUB-SYSTEM:		DATE: PAGE: OF	••••	CONTRACT NO. : MAIN-SUPPLIER.			
SL. NO		ITY AND RATION	CHARACTERISTICS / INSTRUMENTS	CLASS# OF CHECK	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT RECORI	-	REMARKS
1.		2.	3.	4.	5.	6.	7,	8.	9.	D*	10.
	Proper sealing & tightness of M plates. Proper sealing & locking arrang					\mathbf{A}^{1}					
	of door.				\mathcal{T}	Q					
	1	NT	JICATIV	EFI							

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE		DOC. NO.:		REV
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. LEGEND TO BE USED: CLASS #: A = CRITICAL, B=MAJOR, C=MINOR;				
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	'A' SHALL BE WITNESSED BY NTPC FQA, 'B' SHALL BE WITNESSED BY NTPC ERECTION / CONSTRUCTION DEPTT. AND 'C' SHALL BE WITNESSED	FOR NTPC			
SIGNATU	RE	BY MAIN SUPPLIER (A & B CHECK SHALL BE NTPC CHP STAGE)	USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

	FGR.'s .OGO		FACTURER'S AND ADDRESS		SWITCHGEA	AR (TURINOP NO.: REV.NO.: DATE: PAGE:	G QUALIT	Y PLAN	PROJECT PACKAGE CONTRACT MAIN-SUPP					
SL. NO	COMPOR & OPERAT		CHARACTERISTI	CS CLASS	TYPE OF CHECK	QUANT OF CH M		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		A O	GENCY	Y N	REMARKS
1.	2.		3.	4.	5.	6.	<u>I</u>	7.	8.	9.	D *		**	10.	11.
A	RAV MATER														
1	Angles, cha & Sheet Ste fabrication / HR)	eel for	1) Thickness	Major	Meas	1 Sample of each type & size per lot	-	IS-513, IS-1079, IS 2062	NTPC Specification	QC Records/ supplier TC		P	-	-	
			2) Surface finish & che for waviness / flatness		Visual	-do-	-	IS-513, IS-1079, IS 2062	Mfr Std/Drg	QC record/ Supplier TC		P	-	-	
			3) Bending Test	Major	Mech	Sample	-	IS-513, IS-1079, IS 2062	IS-513, IS-1079, IS 2062	Supplier TC		V	-	1	
2.	Busbars – Aluminium Copper	&	1) Dimensions	Major	Meas.	1 Sample of each type & size per lot	-	IS-5082 (for Al) IS1897 & IS 613 (for Cu), NTPC Approved Drgs. / data shee	IS-5082 (for Al) IS1897 & IS 613 (for Cu), NTPC Approved Drgs. / data shee	QC record/ Supplier TC	-	P	-	-	
			2) Surface finish	Major	Visual	-do-	-	IS-5082 (for Al) IS1897 IS 613 (for Cu),	IS-5082 (for Al) IS1897 IS 613 (for Cu)		-	P	-	-	
			c) Conductivity	Major	Electrical	As per IS	-	IS-5082 (for Al) IS1897 IS 613 (for Cu)	IS-5082 (for Al) IS1897 IS 613 (for Cu)	QC Records/ supplier TC		P	-	-	
	UFACTURE	R/	MAIN-SUPPLIEI	ESSENT ** M: P: PER	TIALLY INCLUDE MANUFACTURE FORM W : WITN		IN QA DOCU: .C: MAIN SU RIFICATION.	MENTATION. JPPLIER, N: NTPC AS APPROPRIATE,	FOR NTPC	DOC. NO.:				REV.	CAT

FORMAT NO.: QS-01-QAI-P-09/F1-R1

SIGNATURE

SUB-SUPPLIER

PAGE 1 OF 17

NTPC USE

REVIEWED BY

ENGG. DIV./QA&I

APPROVAL SEAL

APPROVED BY

			ACTURER'S AND ADDRESS					G QUALITY	PLAN	PROJECT		:			
M	FGR.'s			ITEM: LTS	SWITCHGEA		QP NO.: REV.NO.:			PACKAGE		:			
	OGO			SUB-SYSTE	M: LT		NEV.NO.: DATE:			CONTRACT	NO	. :			
				502 51512			PAGE: C	F		MAIN-SUPP	LIE	R:			
SL. NO	COMPO	NENT	CHARACTERISTIC	S CLASS	TYPE OF	QUAN OF CH		REFERENCE	ACCEPTANCI	FORMAT OF		A	GENCY	7	REMARKS
NO	OPERAT	TIONS			СНЕСК	M	C/N	DOCUMENT	NORMS	RECORD	I	М	C	N	
1.	2.		3.	4.	5.	6.		7.	8.	9.	D *		**	10.	11.
В	Bought	t out it	ems: (For Makes	refer Note #	1)										
1	Air Circuit Breaker		1) Type & Rating	Major	Visual	100%	-	IS-13947 Part 2/ NTPC approved drg. / Data sheet	IS-13947 Part 2/ NTPC approved drg. / Data sheet	QC record	-	P	-	-	
			2) All routine tests including calibration of releases	Critical	Tests	-do-	-	IS-13947 Part 2/ NTPC approved drg. & Data sheet	IS-13947 Part 2/ NTPC approved drg. & Data sheet	Mfr.'s Complianc e TC		V	V	V	
2	CT's		1) Overall dimensions & mounting arrangement	Major	Meas.	10% of each type & rating per lot	-	Mfr drg. / NTPC Spec	Mfr drg. / NTPC Spec	QC Record / Supplier TC		P	-	-	
			2) Type & Rating	Major	Visual	-do-	10% of each type & rating per lot	NTPC App. Drg. & data sheet	NTPC App. Drg. & data sheet	QC Record		P	-	-	
			3) All routine tests as pe IS 2705	r Critical	Electrical	100%	100%	IS 2705	IS 2705	Supplier's TC		V	V	V	
3	PT's		1. Overall dimensions & mounting arrangement	Major	Meas.	10% of each type	-	Mfg Drg.	Mfr. Drg.	QC Record/Su pplier's TC		P	1	-	
			2) Type & Rating	Major	Visual	-do-	10% of each type & rating per lot	NTPC Appd. Drg/ Data sheet	NTPC app. Drg/Data shee	QC Record/Su pplier's TC		P	V		
						S, INDENTIFIED				DOC. NO.:				REV	CAT
						D BY SUPPLIER		IENTATION. PPLIER, N: NTPC	सन्दर्भारी MTPC						
MANU	UFACTURE	R/	MAIN-SUPPLIER	P: PERF	ORM W: WITN	ESS AND V: VE	RIFICATION. A	S APPROPRIATE,	FOR						
	SUPPLIER			CHP: N	I PC SHALL IDE	NTIFY IN COLUM	I N" AS W		NTPC USE	DELUCIOE ST		1,	NDD CT	ED DV	ABBROWAY
SIGNATURE									USE	REVIEWED BY		Al	PROV	ED BY	APPROVAL SEAL

			FACTURER'S AND ADDRESS	INDIC	ATIVE M	IANUFAC	CTURIN	G QUALITY	PLAN	PROJECT		:			
	FGR.'s .OGO			ITEM : LT S SUB-SYSTE	SWITCHGE <i>A</i> CM: LT]	QP NO.: REV.NO.: DATE: PAGE: () F		PACKAGE CONTRACT MAIN-SUPP					
SL. NO	COMPO & OPERAT		CHARACTERISTICS	S CLASS	TYPE OF CHECK	QUAN OF CE	TUM	REFERENCE DOCUMENT	ACCEPTANC NORMS	FORMAT		A	GENC'	Y	REMARKS
1.	2.		3.	4.	5.	6		7.	8.	9.	D D		**	N 10.	11,
			3) All routine tests as per IS 3156 (92)	Critical	Electrical	100%	100%	IS 3156	IS 3156	Supplier's TC	*	v	V	V	
4	AC / DC P aux. Conta		1) Type & Rating	Major	Visual	5 sample of each type, make & rating per	-	IS-13947 Part 4 sec 1, NTPC appd. drg & Data sheet	IS-13947 Part 4 sec 1, NTPC appd. drg & Data sheet	QC Record/		P	-	-	
5	Air Air Br switches / I Switch units		1) Type & Rating	Major	Visual	5 sample of each type, make & rating per	-	IS-13947 Part 3 , NTPC appd. drg & Data sheet	IS-13947 Part 3 , NTPC appd. drg & Data sheet	QC Record/ Swbd TC		P	-	-	
6	Timers		1) Type & Rating	Major	Visual	10% of each type, & rating per lot	-	NTPC App. Drg. & data sheet	NTPC App. Drg. & data sheet	QC Record		P	-	-	
			2) Compact configuration	Major	Electricazl	-do	-	-do-	-do-	Reg/Sheet		P	-	-	
7	HRC Fuse	es	1) Type & Rating	Major	Visual	10% of each rating per lot	-	Makes as per LOA / Endorsement sheet IS-13703 / NTPC App. Drgs	NTPC Appd. Drgs.	Swbd TC		P	-	-	
8	Indicating Instrumer		1) Type & Ratings (Calibration report to verified)	Major	Visual	10% of each rating per lot	10% of each rating per lot	NTPC Appd Drg/ Data sheet	NTPC Appd dr data sheet	Supplier's TC		P	V		
	MANUFACTURER/ MAIN-SUPPLIER				IALLY INCLUDE MANUFACTURE ORM W: WITN	ED BY SUPPLIER R/SUB-SUPPLIER	IN QA DOCUM R C: MAIN SU RIFICATION.	PPLIER, N: NTPC AS APPROPRIATE,	FOR	DOC. NO.:				REV.	CAT
SUB-S	JB-SUPPLIER SIGNATURE								NTPC USE	REVIEWED BY	•	Al	PPROV	VED BY	APPROVAL SEAL

			FACTURER'S AND ADDRESS		SWITCHGE A		QP NO.: REV.NO DATE:			PROJECT PACKAGE CONTRACT	: : NO. :			
							PAGE:	OF		MAIN-SUPP	LIER:			
	•		b) Finish & workmanship	Minor	Visual	Sample	-		to standard Engg. from surface defects	-	P	-	-	
SL. NO	COMPONI &		CHARACTERISTIC	S CLASS	TYPE OF CHECK	_	NTUM HECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMA T OF RECOR		AGENO	EY	REMARKS
	OPERATIO	UNS				M	C/N			D	M	С	N	
1.	2.		3.	4.	5.		6.	7.	8.	9.	D *	**	10.	
			Routine tests including calibration & accuracy to reports		Electrical	100%	100%	IS 1248 , NTPC Appr .drg / data sheet	IS 1248, NTPC Appr .drg / data sheet	Supplier's test	V	V	V	
9	KWH Mete	ers	1) Type & Ratings	Major	Visual	10% of each type & rating per lot	10% of each type & rating per lot	NTPC Appr .drg / data sheet	NTPC Appr .drg / data sheet	QC Records	P	V	-	
			2) Routine tests including calibration accuracy test report	& Major	Electrical	100%	100%	IS 722 & IS 13779 , 13010 & NTPC Appr .drg / data sheet	IS 722 & IS 13779 , 13010 & NTPC Appr .drg / data sheet	Supplier' test report	V	V	V	
10	Transducers	rs .	1) Type & Ratings	Major	Visual	10% of each type & rating per lot	10% of each type & rating per lot	NTPC Appr .drg / data sheet	NTPC Appr .drg / data sheet	QC Records	P	V	-	
			Routine tests including calibration & accuracy to reports		Electrical	100%	100%	IS 12784 & NTPC Appr .drg / data sheet	IS 12784 & NTPC Appr .drg / data sheet	Supplier's test report	V	V	V	

		LEGEND: * RECORDS, INDENTIFIED WITH "TICK" ($$) SHALL BE		DOC. NO.:	REV	CAT
		ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION. ** M: MANUFACTURER/SUB-SUPPLIER C: MAIN SUPPLIER, N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION, AS APPROPRIATE,	UHANNA MTPC			
MANUFACTURER/ SUB-SUPPLIER	MAIN-SUPPLIER	CHP: NTPC SHALL IDENTIFY IN COLUM "N" AS 'W"	FOR NTPC			
SIGNAT	URE		USE	REVIEWED BY	APPROVED BY	APPROVAL SEAL

		ANUFACTURER'S AME AND ADDRESS	INDICA	ATIVE M	IANUFA	CTURI	NG QUALITY	Y PLAN	PROJECT		:					
			ITEM: LT S	SWITCHGEA	AR .	QP NO.:	PACKAGE : CONTRACT NO. :									
	FGR.'s .OGO		CLID CNOTE	3.4. T.T.		REV.NO.										
			SUB-SYSTE	SUB-SYSTEM: LT			DATE: PAGE: OF			MAIN-SUPPLIER:						
	<u> </u>				QUAN				FORMA	T			$\overline{}$			
SL.	COMPONEN &	NENT CHARACTERISTICS	CS CLASS	TYPE OF	OF CH		REFERENCE	ACCEPTANO			A	GENC	Y	DEMARKS		
NO	OPERATION	NS		CHECK	M	C/N	DOCUMENT	NORMS	RECOR D	M		C	N	REMARKS		
1.	2.	3.	4.	5.	6.	<u> </u>	7.	8.	9.	D *		**	10.	11.		
11	Push Button	1) Type, Color & Ratings	Major	Visual	5 samples of each type & rating per lot	-	IS 13947 Part 5 sec1 NTPC App. Drg. & data shee	IS 13947 Part 5 sec1 NTPC App. Drg. & data sh			Р	-	-			
12	IEC 61850 compliant Numerical Relays	1)Type & Rating	Major	Visual	100%	10% of each type, & rating per lot	NTPC appd drg & data sheet	NTPC appd dr data sheet	g & QC Records		V	-	-			
		2) Routine test certifica	te Major	Electrical	100%	100%	IEC 60255 / IEC 61850 Relay Mfr's Specifications	IEC 60255 / IEC 61850 Relay Mfr's Specification	TC	-	V	V	v			
		3) Numerical Relay Testing	Major	Electrical	10% of each type, & rating per lot	10% of each type, & rating per lot	As per Approved test procedure No. 9548-206-QVEQ- 005	As per Approved test procedure No 9548-206-QVEQ 005	o. No. 9548-	-	P	w	W			
13	Control & Sele Switches	1) Type & Rating	Major	Visual	5 samples of each type & rating per lot	-	IS 13947 Part 5 sec1 NTPC App. Drg. & data sheet	IS 13947 Part 5 sec1 NTPC App. Drg. & data sho		-	P	-	-			
		2Contact configuration check	Major	Visual	Do	Do	Do	Do	Do	-	P		-			
			LEGE	LEGEND: * RECORDS, INDENTIFIED WITH "TICK" (√) SHALL BE							DOC. NO.: REV CAT					
		ESSENTI	ALLY INCLUDE	ED BY SUPPLIE	R IN QA DO	CUMENTATION. SUPPLIER, N: NTPC	IFIÁDRÍ NTPC									
MANTE	IEACTIDED/	MAIN CUIDDI IED	D. DERE				N. AS APPROPRIATE,									
	JFACTURER/ SUPPLIER	MAIN-SUPPLIER	CHP: N	TPC SHALL IDE	NTIFY IN COLU	JM "N" AS 'W" FOR NTPC										
SIGNATURE						USE	REVIEWED BY			PPRO	VED BY	APPROVAL SEAL				

MFGR.'s LOGO			FACTURER'S AND ADDRESS		SWITCHGE		CTURI QP NO.: REV.NO DATE: PAGE:		Y PLAN	PROJECT PACKAGE CONTRACT MAIN-SUPP					
SL. NO	O OPERATIONS		&	CS CLASS	TYPE OF CHECK	QUAN OF CI M		REFERENCE DOCUMENT 7.	ACCEPTANC NORMS	RECOR			AGENCY		REMARKS
1.			3.	4.	5.	6	6.		8.	9.	D	M 	**	N 10.	11.
14			1) Type & Rating	Major	Visual	10% of each type & rating per lot	-	IS-3231 NTPC appd. drg & data sheet	IS-3231 NTPC appd. drg & data sheet	QC	*	P	-	-	
			2)Routine tests	Major	Electrical	-do-	-	Γ	<u> </u> 	-		P	-	-	
15	Coupling 1	relays	1) Type & Rating	Major	Visual	10% of each type per lot		IS-3231, NTPC appd. drg & data sheet	IS-3231, NTPC appd. drg & data sheet	QC Records		P	-	-	
16	MCB		1) Type & Rating	Major	Visual	-do-	-	IS-8828 & NTPC appd. drg	IS-8828 & NTPO appd. drg	Records		P	-	-	
17	Control Transform		1) Type & Rating	Major	Visual	100%	`	NTPC Appd drg/data sheet	NTPC appo	et Records		P	-	-	
18	Insulating barr & shrouds – (Fire retardant type)		Dimensions includin thickness check and HV test.		Electrical	5 sample of each type per lot	-	Mfr drg	2.5 KV for 1 m	in QC Record		P	-	-	
			2) Flame Resistance	Major	Flame Test	Sampling as per Mfr. Std.	-	IS 6746	IS 6746	-do-		P	V	V	
MANUFACTURER/ MAIN-SUPPLIER			ESSENT ** M: P: PERI	TALLY INCLUDE MANUFACTURE	DS, INDENTIFI ED BY SUPPLIE ER/SUB-SUPPLI IESS AND V: V	ER IN QA DO IER C: MAIN VERIFICATIO	ICK" (√) SHALL BE CUMENTATION. I SUPPLIER, N: NTPC IN. AS APPROPRIATE, 'W"	FOR NTPC	DOC. NO.:			•	REV	CAT	
SUB-SUPPLIER SIGNATURE								USE	REVIEWED BY	7	A	PPRO	VED BY	APPROVAL SEAL	

			FACTURER'S AND ADDRESS	INDIC	INDICATIVE MANUFACTURING QUALITY PLAN							PROJECT :						
MFGR.'s LOGO				ITEM: LT	SWITCHGE A		PACKAGE											
				CLID CNCT	33.6 F.M		REV.NO.:	CONTRACT NO. :										
				SUB-SYSTI	JB-SYSTEM: LT			DATE: PAGE: OF										
			c) Eccentricity of	Major	Physical	Sample		IEC 60840	IEC 60840	Reg/She		P	_	-				
			insulation & ovality of core	of						et								
SL. NO	COMPO			CLASS	TYPE OF CHECK	OF (ANTUM CHECK	REFERENCE DOCUMENT	ACCEPTANCI NORMS	OF		AG	GENCY	Y	REMARKS			
	OPERATIONS				CHECK	M	C/N DOCUMENT		TORNS	RECORD	M		C	N				
1.	2.	. 3.		4.	5.		6.	7.	8.	9.	D *	*	**	10.	11,			
19 Busbar Insulate		ıpport	1) Dimension	Major	Meas.	Each setting	g -	5 sample of each type per lot	5 sample of each type per lot	QC Records		P	V	V	Insulators to preferably have Batch Identification			
			2) Finish	Major	Visual	-do	-do-	No visual defects	No visual defec	Records		P	V	V				
			Comparative Trackin Index check	g Major	Electrical	1 Sample pe	er -	IS 2824	IS 2824	QC Records		P	V	V				
			4) HV Test	Major	Electrical	-do-	-	BS-2782/IS-8623	2.5 KV for 1 Mi	n -do-		P	V	V				
			5) IR Test	Major	Electrical	Do	-	-do-	BS-2782/IS-862	3 -do-	P	P	V	V				
			6) Flexural strength test	Critical	Mech.	Do	-	BS-2782	BS 2782	Supplier's TC		V	V	V				
20	Synthetic re Gasket / Neoprene r gasket			Supplier's std	Supplier's std	NTPC spec & IS 11149 / L&T's drgs	NTPC spec & IS 11149 / L&T's drgs	Supplier 's Conforman ce Report		V	-		Type, Dimensions & profile of the gaskets should be same as type tested panel gaskets					
			1	1							CAT							
			<u>ND:</u> * RECORI IALLY INCLUDI		DOC. NO.:		Г		KEV	CAT								
				** M :	MANUFACTURE	R/SUB-SUPPLI	ER C: MAIN SU	PPLIER, N: NTPC	MACHINE MILES			l						
MANUFACTURER/ MAIN-SUPPLIEI SUB-SUPPLIER		MAIN-SUPPLIER		P: PERFORM W: WITNESS AND V: VERIFICATION. AS APPROPRIATE, CHP: NTPC SHALL IDENTIFY IN COLUM "N" AS 'W" FOR NTPC														
SIGNATURE				USE REVIEWED BY APPROVED BY APPR										APPROVAL				

		MANUFACTURER'S NAME AND ADDRESS		ITEM: LT	INDICATIVE MANUFA EM : LT SWITCHGEAR B-SYSTEM: LT			QP NO.: REV.NO.: DATE: PAGE: OF			PROJECT PACKAGE CONTRACT NO MAIN-SUPPLIE						
SL. NO	COMPONE & OPERATIO	CHARACTERIS		CS CLASS	TYPE OF CHECK		NTUM HECK C/N	REFERENCE DOCUMENT	ACCEPTANCI NORMS	FORMAT OF RECORD		A M	GENC	Y N	REMARKS		
1.	2.	3.		4.	5.		6.	7.	8.	9.	D *		** 10.				
			2) Dimensions, profile Visual Inspection	& Major	Meas.	-do-	-	L&T's drg	L&T's drg	QC Record		P	-	-			
			3) Shore Hardness	Critical	Test	1 Sample per lot	_	NTPC Spec & IS 11149, L&T Drg	NTPC Spec & 1 11149, L&T Di			P	V	V			
			4) Elongation at break ageing	& Major	Test	Mfr's std	Mfr's std	-do-	-do-	Supplier's TC		V	V	V			
			5) Compression Test	Critical	Test	-do-	-	-do-	-do-	-do-		V	V	V			
			6) Ozone Resistance Te	est Major	Test	-do-	-	-do-	-do-	-do-		V	V	V			
21	PVC wires (H FR Grade)	HR	Verify size, colour and HR-FR Grade	Major	Visual	1 sample of each type & rating per lot	-	IS-	IS-694			P	-	-			
22	Space Heater, Thermostat, 3 socket, hooter	3 pin	1) Dimension/ Mountin arrangement	g Major	Meas	-do-	-	Purchase spec : Rated Voltage/Current/ wattage	Purchase spec : Rated Voltage/Current/ Wattage	Report -do-		P	-	-			
				LEGE	ND: * RECOR		DOC. NO.:				REV	CAT					
MANUFACTURER/ MAIN-SUPPLIER SUB-SUPPLIER				ESSENT ** M: P: PERI	TALLY INCLUDI MANUFACTURE	ED BY SUPPLIER ER/SUB-SUPPLIE IESS AND V: VE	R IN QA DOCUM R C: MAIN SU ERIFICATION. A	MENTATION. PPLIER, N: NTPC AS APPROPRIATE,	FOR NTPC								
SIGNATURE									USE	REVIEWED BY	7	A	PPRO	VED BY	APPROVAL		

			-													
		MANUFACTURER'S NAME AND ADDRESS		INDIC	CATIVE I	MANUFAC	CTURING	G QUALITY	Y PLAN	PROJECT :						
M				ITEM: LT	SWITCHGE		QP NO.: REV.NO.:			PACKAGE		:				
MFGR.'s LOGO				CIID CVCT	FM. I T		CONTRACT	NO.	:							
				SUD-3131	JB-SYSTEM: LT			DATE: PAGE: OF			MAIN-SUPPLIER:					
SL.	COMPONE	ENT CHAR	ACTERISTIC	CLAS	TYPE OF		NTUM	REFERENCE	ACCEPTANC	FORMAT		۸(GENCY	v		
NO	& OPERATIO		s	CHECK	OF CI	HECK C/N	DOCUMENT	NORMS	OF RECORD			JENC I		REMARKS		
	OFERATIO	TIONS				M	C/N			RECORD	M	ĺ	C N			
1.	2.		3.	4.	5.		6. 7.		8.	9.	D *		**	10.	11.	
		2) Functi	ion Test	Major	Test	-do-	-	Mfr Std	Mfr. Std	QC Record		P	_	-		
23	ACB Handli trolley	Overall of functions	dimensions & al checks	Major	Test	1 sample of each type & rating of first lot	1 sample of each type & rating of first lot	Mfr std/drg	Mfr std/drg	QC Record		P	V	V		
24	Terminal Blo	ock Type & l	Rating	Major	Visual	5 sample of each type & rating per lot	-	NTPC Spec.	NTPC specification	QC Records		P	-	-		
25	Paint/Powde	er Make, T	ype & Shelf l	ife Major	Visual	100%	-	Mfr std	Mfr. Std	-do-		P	-	-		
C	IN-PROCE	SS		 							1 1			<u> </u>		
1.	Fabrication		g, Punching, & Bending	Major	Meas.	Mfr. Practice	-	NTPC Approved	d GA Drg	QC Records		P	_	-		
		2) panel fi punching	ront door cut-o	uts Major	Meas.	-do-	-	NTPC Approved GA Drg	NTPC Approve GA Drg	ed -do-		P	-	-		
2	Pretreatment & Painting (power coating)		atment of sheet anks)	Major	Process	-do-	Mfr Practice	Mfr Std practice , NTPC spec., IS- 600	Mfr Std practice NTPC spec., IS- 600	, -do-		P	-	-		
		2) Paint	shade	Major	Visual	1 sample per lot	-	NTPC spec. approved drgs.	NTPC Spec. approved Drg. RAL std shade	QC Records		P	V	V		
				LEGI	END: * RECOR		DOC. NO.: REV									
				ESSEN	TIALLY INCLUE	DED BY SUPPLIER	IN QA DOCUM		एन ीपारी MTPC							
MANI	UFACTURER/	MAIN	N-SUPPLIER	P: PER	FORM W: WIT	NESS AND V: VE	RIFICATION. A		FOR							
	SUPPLIER		CHP: NIPC SHALL IDENTIFY IN COLUM IN AS W								$oldsymbol{ol}}}}}}}}}}}}}}}}}$					
SIGNATURE						USE	USE REVIEWED BY APPROVED B					APPROVAL SEAL				