					System Test Cases								Tes	t Results		ion Test,		
						Input Test	Values			Expected	d Result		100	riodalo		,	Inference on the	
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
						Phase Voltage	240V											
1	T1		REN0325HWRID06	Power Consumption of System	Voltmeter across input supply and ammeter in series with supply			sv	Volt-Ampere	VA	As low as possible	8	1	2			Acceptable	
				System		Phase Current	10A											
						Frequency	50Hz											
					The system is operated at voltage which is -20% below the	Phase Voltage	192V											
			REN0325SWRID01 REN0325SWRID02		nominal operating voltage which will be applied between 1S and 2S.At this voltage,six different current values are specified for testing which will be adjusted by obsevring the	Phase Current	500mA	-										
			REN0325SWRID04 REN0325SWRID05		reading on the ammeter connected to 1S. Each of these combinations of Phase current and Phase voltage are	Frequency	50Hz											
_			REN0325SWRID08 REN0325HWRID07	Accuracy Test of	measured at 50Hz for accuracy.PF is varied between 0.5 lag and unity throughout these tests. Under these	PF	1				Test result of test	Test result of test						
2	ТЗ		REN0325HWRID09 REN0325HWRID03 REN0325HWRID03 REN0325HWRID04 REN0325HWRID18 REN0325SW_CSR1 REN0325HW_PCSR1	KWh	conditions,KWh is measured and checked for accuracy as per international Standard specifications. The test will commence when the enter key is pressed thereafter exactly after one minute the enter key would be pressed again. During this duration, the EUT and a caliberated meter shall be given the same inputs and their readings will be compared to measure accuracy. The data from the meter will be read- out through the RS232 port.	Time	1min	. BVA	Active Energy	% Error	no.59 - 2.1%	no.59 + 2.1%	1	-0.05%			Acceptable	
			REN0325SWRID01 REN0325SWRID02			Phase Voltage	192V				Toet recult	Test result						
3	T3.1		REN0325SWRID04	Accuracy Test of	do	Phase Current Frequency	500mA 50Hz	BVA	Active Energy	% Error	Test result of test	of test	1	-0.21%			Acceptable	
			REN0325SWRID05 REN0325SWRID08	KWh		PF Time	0.5lag 1min				no.59 - 2.1%	no.59 +2.1%						
		1	REN0325HWRID07 REN0325SWRID01			Phase Voltage	192V											
4	T3.1		REN0325SWRID02 REN0325SWRID04	Accuracy Test of	4-	Phase Current Frequency	1A 50Hz	BVA	A - + i	0/ 5	Test result of test	Test result of test	1	-0.05%			A	
4	13.1		REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	KWh	do	PF Time	1 1min	BVA	Active Energy	% Error	no.59 - 2.1%	no.59 +2.1%	'	-0.0576			Acceptable	
5	T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	192V 1A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -3%	Test result of test no.59 +3.0%	1	-0.24%			Acceptable	
6	T3.1		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	192V 2A 50Hz 1	BVA	Active Energy	% Error	Test result of test no.59 - 2.1%	Test result of test no.59 +2.1%	1	-0.09%			Acceptable	
7	T3.1		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID05 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	192V 2A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -3%	Test result of test no.59 +3.0%	1	-0.29%			Acceptable	
8	T3.1		REN0325SWRID01 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	192V 10A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 2.1%	Test result of test no.59 +2.1%	1	-0.04%			Acceptable	
9	T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325SWRID01	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	192V 10A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -3%	Test result of test no.59 +3.0%	1	0.13%			Acceptable	
10	T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID05 REN0325SWRID05 REN0325SWRID07 REN0325SWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time Phase Voltage	192V 30A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 2.1%	Test result of test no.59 +2.1%	1	-0.05%			Acceptable	

					System Test Cases								Tes	t Results	Regress if a	ion Test,		
						Input Test	Values			Expecte	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (If any)
	To 4		REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Current Frequency	30A 50Hz	-		~ =	Test result	Test result of test		0.000				
11	T3.1		REN0325SWRID05 REN0325SWRID08	KWh	do	PF Time	0.5lag 1min	BVA	Active Energy	% Error	of test no.59 -3%	no.59 +3.0%	1	-0.03%			Acceptable	
			REN0325HWRID07 REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	192V 60A				Test result	Test result						
12	T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	50Hz 1	BVA	Active Energy	% Error	of test no.59 -	of test no.59 +	1	-0.23%			Acceptable	
			REN0325SWRID08 REN0325HWRID07 REN0325SWRID01			Time	1min 192V				2.1%	2.1%						
			REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Voltage Phase Current Frequency	60A 50Hz	-			Test result							
13	T3.1		REN0325SWRID05 REN0325SWRID08	KWh	do	PF Time	0.5lag 1min	BVA	Active Energy	% Error	of test no.59 -3%	of test no.59 + 3%	1	-0.33%			Acceptable	
			REN0325HWRID07 REN0325SWRID01		The system is operated at voltage which is +15% above the		276V											
			REN0325SWRID02 REN0325SWRID04		nominal operating voltage which will be applied between 1S and 2S.At this voltage six different current values are	Phase Current	500mA											
			REN0325SWRID05 REN0325SWRID08		specified for testing which will be adjusted by obsevring the reading on the ammeter connected to 1S. Each of these	Frequency	50Hz				Test result	Test result						
14	T3.1		REN0325HWRID07 REN0325HWRID09	Accuracy Test of KWh	combinations of Phase current and Phase voltage are measured at 50Hz for accuracy.PF is varied between 0.5 lag	PF	1	BVA	Active Energy	% Error	of test	of test	1	-0.07%			Acceptable	
			REN0325HWRID10 REN0325HWRID03		and unity throughout these tests. Under these conditions,KWh is measured and checked for accuracy as	Time	1min				2.1%	2.1%						
			REN0325HWRID04 REN0325HWRID18 REN0325SW CSR1		per International Standard specifications. The test will commence when the enter key is pressed thereafter exactly after one minute the enter key would be pressed again.													
			REN0325HW_PCSR1 REN0325SWRID01		During this duration, the EUT and a caliberated meter shall	Phase Voltage	276V											
15	T3.1		REN0325SWRID02 REN0325SWRID04	Accuracy Test of	do	Phase Current Frequency	500mA 50Hz	BVA	Active Energy	% Error	Test result	Test result	1	-0.09%			Acceptable	
15	10.1		REN0325SWRID05 REN0325SWRID08	KWh	do	PF Time	0.5lag 1min	BVA.	Active Energy	70 E1101		no.59 + 3%	·	0.0070			Ассериале	
			REN0325HWRID07 REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	276V 1A				Test result	Test result						
16	T3.1		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	50Hz	BVA	Active Energy	% Error	of test no.59 -	of test no.59 +	1	-0.03%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time	1min				2.1%	2.1%						
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	276V 1A				Test result	Test result						
17	T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	50Hz 0.5lag	BVA	Active Energy	% Error	of test	of test no.59 + 3%	1	-0.15%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time	1min 276V											
			REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Voltage Phase Current Frequency	2A 50Hz	-			Test result	Test result						
18	T3.1		REN0325SWRID05 REN0325SWRID08	KWh	do	PF Time	1 1min	BVA	Active Energy	% Error	no.59 - 2.1%	no.59 + 2.1%	1	-0.07%			Acceptable	
			REN0325HWRID07 REN0325SWRID01			Phase Voltage	276V								-			
19	T3.1		REN0325SWRID02 REN0325SWRID04	Accuracy Test of	do	Phase Current Frequency	2A 50Hz	BVA	Active Energy	% Error	Test result of test	Test result of test	1	-0.12%			Acceptable	
19	13.1		REN0325SWRID05 REN0325SWRID08	KWh	do	PF Time	0.5lag 1min	BVA	Active Ellergy	/6 LITOI		no.59 + 3%		-0.1276			Acceptable	
			REN0325HWRID07 REN0325SWRID01			Phase Voltage	276V				Teet "	Toot "			-			
20	T3.1		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of	do	Phase Current Frequency	10A 50Hz	BVA	Active Energy	% Error	of test	Test result of test no.59 +	1	-0.01%			Acceptable	
			REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	L/VI		Time	1 1min	1			no.59 - 2.1%	2.1%						
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	276V 10A				T4 "	T "						
21	T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	50Hz 0.5lag	BVA	Active Energy	% Error	Test result of test	of test	1	-0.25%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time	1min				по.59 -3%	no.59 + 3%						
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	276V 30A				Test result	Test result						
22	T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	50Hz 1	BVA	Active Energy	% Error	of test no.59 -	of test no.59 +	1	0.07%			Acceptable	
			REN0325SWRID08 REN0325HWRID07 REN0325SWRID01			Time Phase Voltage	1min 276V				2.1%	2.1%						

					System Test Cases								Tes	at Results		sion Test,		
					5,5.5	Input Test	Values			Expected	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (II ally)
23	T3.1		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Phase Current Frequency PF	30A 50Hz 0.5lag	BVA	Active Energy	% Error	Test result	Test result of test no.59 + 3%	1	0.03%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time Phase Voltage	1min 276V				110.59 -5%	110.59 + 5%						
			REN0325SWRID01 REN0325SWRID02			Phase Current Frequency	60A 50Hz											
24	T3.1		REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID01 REN0325HWRID03 REN0325HWRID04 REN0325HWRID18 REN0325HWRID18 REN0325SW_CSR1 REN0325HW_PCSR1	Accuracy Test of KWh	do	PF Time	1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 2.1%	Test result of test no.59 + 2.1%	1	-0.18%			Acceptable	
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	276V 60A				Test result	Test result						
25	T3.1		REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Frequency PF Time	50Hz 0.5lag 1min	BVA	Active Energy	% Error	of test	of test no.59 + 3%	1	-0.28%			Acceptable	
			REN0325HWRID07															
			REN0325SWRID01 REN0325SWRID02		The system is operated at a voltage which is -10% below the nominal operating voltage which will be applied between 1S and 2S.At this voltage, six different current values are specified for testing which will be adjusted by obsevring the	Phase Voltage	216V											
			REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07		reading on the ammeter connected to 1S. Each of these combinations of Phase current and Phase voltage are measured at 50Hz for accuracy. PF is varied between 0.5 lag	Phase Current Frequency	500mA 50Hz				Test result	Test result						
26	T2		REN0325HWRID09 REN0325HWRID10 REN0325HWRID03	Accuracy Test of KWh	and unity throughout these tests. Under these conditions, the KWh,and PF is measured and checked for accuracy as per International Standard specifications. The test will commence		1	BVA	Active Energy	% Error	of test no.59 - 0.7%	of test no.59 + 0.7%	1	0.02%			Acceptable	
			REN0325HWRID04 REN0325HWRID18 REN0325SW_CSR1 REN0325HW PCSR1		when the enter key is pressed thereafter exactly after one minute the enter key would be pressed again. During this duration, the EUT and a caliberated meter shall be given the same inputs and their readings will be compared to measure	Timo	1min											
			_		accuracy. The data from the meter will be read-out through the RS232 port.		0.101											
27	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of	do	Phase Voltage Phase Current Frequency	216V 500mA 50Hz	BVA	Active Energy	% Error	NA	NA	1	-0.19%			Acceptable	
			REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	KWh		PF Time	0.5lag 1min											
28	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 1A 50Hz 1	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.03%			Acceptable	
29	T2		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of	do	Phase Voltage Phase Current Frequency	216V 1A 50Hz	BVA	Active Energy	% Error	Test result of test	Test result of test	1	-0.20%			Acceptable	
-			REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325SWRID01	KWh		PF Time	0.5lag 1min				no.59 -1%	no.59 + 1%						
30	T2		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 2A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.05%			Acceptable	
31	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 2A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.20%			Acceptable	
32	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 10A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.01%			Acceptable	

					System Test Cases								Tes	t Results	Regress if a	ion Test,		
					5,5.5	Input Test	Values			Expected	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (II ally)
33	T2		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 10A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.06%			Acceptable	
34	T2		REN03253WRID01 REN0325SWRID01 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 30A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	0.05%			Acceptable	
35	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 30A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.10%			Acceptable	
36	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 60A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.05%			Acceptable	
37	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	216V 60A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.23%			Acceptable	
38	T2		REN03255WRID01 REN03255WRID01 REN03255WRID05 REN03255WRID05 REN03255WRID06 REN0325HWRID07 REN0325HWRID07 REN0325HWRID01 REN0325HWRID01 REN0325HWRID04 REN0325HWRID01 REN0325HWRID01 REN0325HWRID01 REN0325HWRID01 REN0325HWRID01	Accuracy Test of KWh	The system is operated at a voltage which is +10% above the nominal operating voltage which will be applied between 1S and 2S.A this voltage, six different current values are specified for testing which will be adjusted by obseving the reading on the ammeter connected to 1S. Each of these combinations of Phase current and Phase voltage are measured at 50Hz for accuracy. PF is varied between 0.5 lag and unity throughout these tests. Under these conditions, the KWh, and PF is measured and checked for accuracy as per International Standard specifications. The test will commence when the enter key is pressed thereafter exactly after one minute the enter key would be pressed again. During this duration, the EUT and a caliberated meter shall be given the same inputs and their readings will be compared to measure accuracy. The data from the meter will be read-out through the RS232 port.	Phase Current Frequency PF Time	264V 500mA 50Hz 1 1min	- BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.04%			Acceptable	
39	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 500mA 50Hz 0.5lag 1min	BVA	Active Energy	% Error	NA	NA	1	-0.04%			Acceptable	
40	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 1A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.04%			Acceptable	
41	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 1A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.15%			Acceptable	
42	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 2A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	3.00%			Acceptable	
43	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 2A 50Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.20%			Acceptable	

					System Test Cases								Tes	t Results	Regressi if a			
					System 1881 Bushes	Input Test	Values			Expected	d Result			r roound	0	,	Inference on the	
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
44	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of	do	Phase Voltage Phase Current Frequency PF	264V 10A 50Hz	BVA	Active Energy	% Error	Test result of test no.59 -	Test result of test no.59 +	1	-0.07%			Acceptable	
			REN0325SWRID08 REN0325HWRID07 REN0325SWRID01	T.VIII		Time Phase Voltage	1min 264V				0.7%	0.7%						
45	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05	Accuracy Test of	do	Phase Current Frequency PF	10A 50Hz 0.5lag	BVA	Active Energy	% Error	Test result of test	of test	1	0.20%			Acceptable	
			REN0325SWRID08 REN0325HWRID07 REN0325SWRID01			Time Phase Voltage	1min 264V					no.59 + 1%						
46	T2		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Current Frequency PF Time	30A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%	1	-0.03%			Acceptable	
			REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Voltage Phase Current Frequency	264V 30A 50Hz	-			Test result							
47	T2		REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	KWh	do	PF Time	0.5lag 1min	BVA	Active Energy	% Error	of test no.59 -1%	of test no.59 + 1%	1	0.06%			Acceptable	
48	T2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	264V 60A 50Hz 1	BVA	Active Energy	% Error	Test result of test no.59 - 0.7%	Test result of test no.59 + 0.7%					Acceptable	
			REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Voltage Phase Current Frequency	264V 60A 50Hz				Test result	Test result	1	-0.12%				
49	T2		REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	KŴh	do	PF Time	0.5lag 1min	BVA	Active Energy	% Error	of test no.59 -1%	of test no.59 + 1%	1	-0.22%			Acceptable	
						Phase Voltage	240V											
			REN0325SWRID01 REN0325SWRID02 REN0325SWRID04		The system is operated at the nominal operating voltage which will be applied between 1S and 2S.At this voltage,six different current values are specified for testing which will be		200mA											
			REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07		adjusted by obsevring the reading on the ammeter connected to 1s. Each of these combinations of Phase current and Phase voltage are measured at 50Hz for accuracy. PF is varied between 0.5 lag, unity and 0.8 lead throughout these		50Hz	_										
50	T2,T3.1		REN0325HWRID09 REN0325HWRID10 REN0325HWRID03	Accuracy Test of KWh	tests. Under these conditions, the KWh is measured and checked for accuracy as per International Standard specifications. The test will commence when the enter key is	PF	1min	BVA	Active Energy	% Error	-2%	+2%	1	0.03%			Acceptable	
			REN0325HWRID03 REN0325HWRID18 REN0325SW_CSR1 REN0325HW_PCSR1		pressed thereafter exactly after one minute the enter key would be pressed again. During this duration, the EUT and a caliberated meter shall be given the same inputs and their readings will be compared to measure accuracy. The data	Time		-										
			REN0325SWRID01		from the meter will be read-out through the RS232 port.	Phase Voltage	240V											
51	T2,T3.1		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	500mA 50Hz 0.5lag 1min	BVA	Active Energy	% Error	-2%	+2%	1	-0.10%			Acceptable	
52	T2,T3.1		REN0325HWRID10 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID10	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 500mA 50Hz 0.8 lead 1min	BVA	Active Energy	% Error	-2%	+2%	1	0.05%			Acceptable	
53	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 1A 50Hz 1 1min	BVA	Active Energy	% Error	-1%	1%	1	-0.05%			Acceptable	

					System Test Cases								Tes	t Results	Regressi if a			
						Input Test	Values			Expected	d Result					,	Inference on the	Domarko (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
			REN0325HWRID09 REN0325HWRID10															
54	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 1A 50Hz 0.5 lag 1min	BVA	Active Energy	% Error	-1.5%	+1.5%	1	-0.15%			Acceptable	
			REN0325HWRID07 REN0325HWRID09 REN0325HWRID10 REN0325SWRID01			Phase Voltage	240V											
55	T2,T3.1		REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID10	Accuracy Test of KWh	do	Phase Current Frequency PF Time	1A 50Hz 0.8 lead 1min	BVA	Active Energy	% Error	-1.5%	+1.5%	1	0.05%			Acceptable	
56	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 50Hz 1 1min	BVA	Active Energy	% Error	-1%	+1%	1	-0.10%			Acceptable	
57	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 50Hz 0.5 lag 1min	BVA	Active Energy	% Error	-1.5%	+1.5%	1	-0.20%			Acceptable	
58	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 50Hz 0.8 lead 1min	BVA	Active Energy	% Error	-1.5%	+1.5%	1	0.03%			Acceptable	
59	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 50Hz 1 1min	BVA	Active Energy	% Error	-1%	+1%	1	0.07%			Acceptable	
60	T2,T3.1		REN03255WRID01 REN03255WRID02 REN03255WRID04 REN03255WRID05 REN03255WRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID10	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 50Hz 0.5 lag 1min	BVA	Active Energy	% Error	-1%	+1%	1	0.08%			Acceptable	
61	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID10	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 50Hz 0.8 lead 1min	BVA	Active Energy	% Error	-1%	+1%	1	-0.03%			Acceptable	
62	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07 REN0325HWRID09 REN0325HWRID09	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 30A 50Hz 1 1min	BVA	Active Energy	% Error	-1%	+1%	1	7.00%			Acceptable	
63	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 30A 50Hz 0.5 lag 1min	BVA	Active Energy	% Error	-1%	+1%	1	0.07%			Acceptable	

					System Test Cases								Tes	t Results	Regressi if a			
				T+ 0		Input Test	Values			Expected	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	riomanie (ii any)
			REN0325HWRID07 REN0325HWRID09															
			REN0325HWRID10 REN0325SWRID01			Phase Voltage	240V											
			REN0325SWRID02 REN0325SWRID04			Phase Current	30A 50Hz											
64	T2,T3.1		REN0325SWRID05	Accuracy Test of	do	Frequency PF	0.8 lead	BVA	Active Energy	% Error	-1%	+1%	1	-0.05%			Acceptable	
٥.	12,10.1		REN0325SWRID08 REN0325HWRID07	KWh	33	Time	1min	5,,,	/ touve Energy	70 21101	.,,	, .		0.00%			Acceptable	
			REN0325HWRID09 REN0325HWRID10															
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	240V 60A											
			REN0325SWRID04			Frequency	50Hz											
65	T2,T3.1		REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	PF Time	1 1min	BVA	Active Energy	% Error	-1%	+1%	1	0.14%			Acceptable	
			REN0325HWRID07 REN0325HWRID09															
			REN0325HWRID10			Dharan	0.4017											
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	240V 60A											
66	T2,T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of	4-	Frequency PF	50Hz 0.5 lag	BVA	A - 45	0/ 5	-1%	+1%	1	0.20%			A4-bl-	
66	12,13.1		REN0325SWRID08 REN0325HWRID07	KWh	do	Time	1min	BVA	Active Energy	% Error	-1%	+1%	1	0.20%			Acceptable	
			REN0325HWRID09 REN0325HWRID10															
			REN0325SWRID01			Phase Voltage	240V											
			REN0325SWRID02 REN0325SWRID04			Phase Current Frequency	60A 50Hz											
67	T2,T3.1		REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	PF Time	0.8 lead 1min	BVA	Active Energy	% Error	-1%	+1%	1	-0.12%			Acceptable	
			REN0325HWRID07 REN0325HWRID09	IXWII		Time												
			REN0325HWRID09 REN0325HWRID10															
-																		
			REN0325SWRID01 REN0325SWRID02		The system is operated at the nominal operating voltage which will be applied between 1S and 2S.At this voltage, six different current values are specified for testing which will be	Phase Voltage	240V											
			REN0325SWRID04 REN0325SWRID05 REN0325SWRID08		adjusted by obsevring the reading on the ammeter connected to 1S. Each of these combinations of Phase current and Phase voltage are measured at 52.5Hz and 47.5Hz for	Phase Current	500mA											
68	T2,T3.1		REN0325HWRID07 REN0325HWRID09	Accuracy Test of KWh	accuracy. PF is varied between 0.5 lag and unity throughout these tests. Under these conditions, the KWh is measured	Frequency	52.5Hz	BVA	Active Energy	% Error	Test result of test no.59 -	Test result of test no.59 +	1	0.01%			Acceptable	
			REN0325HWRID10 REN0325HWRID03 REN0325HWRID04	KWII	and checked for accuracy as per International Standard specifications. The test will commence when the enter key is pressed thereafter exactly after one minute the enter key	PF	1				0.8%	0.8%						
			REN0325HWRID18 REN0325SW_CSR1		would be pressed again. During this duration, the EUT and a caliberated meter shall be given the same inputs and their	Time	1min											
			REN0325HW_PCSR1		readings will be compared to measure accuracy. The data from the meter will be read-out through the RS232 port.													
-			REN0325SWRID01			Phase Voltage	240V											
69	T2,T3.1		REN0325SWRID02 REN0325SWRID04	Accuracy Test of	do	Phase Current Frequency	500mA 52.5Hz	BVA	Active Energy	% Error	NA	NA	1	-0.09%			Acceptable	
05	12,13.1		REN0325SWRID05 REN0325SWRID08	KWh	uu uu	PF Time	0.5lag 1min	DVA	Active Elicity	70 LIIUI	14/4	INA	'	-0.0976			Acceptable	
			REN0325HWRID07 REN0325SWRID01			Phase Voltage	240V											
			REN0325SWRID02	A		Phase Current	500mA				Test result	Test result						
70	T2,T3.1		REN0325SWRID04 REN0325SWRID05	Accuracy Test of KWh	do	Frequency PF	47.5Hz 1	BVA	Active Energy	% Error	of test no.59 -	of test no.59 +	1	0.04%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time	1min				0.8%	0.8%					-	
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	240V 500mA											
71	T2,T3.1		REN0325SWRID04	Accuracy Test of	do	Frequency	47.5Hz	BVA	Active Energy	% Error	NA	NA	1	0.17%			Acceptable	
	, - '		REN0325SWRID05 REN0325SWRID08	KWh		PF Time	0.5lag 1min											
\longrightarrow			REN0325HWRID07 REN0325SWRID01			Phase Voltage	240V					-						
			REN0325SWRID02 REN0325SWRID04	Accuracy Test of		Phase Current Frequency	1A 52.5Hz				Test result of test	Test result of test						
72	T2,T3.1		REN0325SWRID05	KWh	do	PF	1	BVA	Active Energy	% Error	no.59 -	no.59 +	1	0.01%			Acceptable	
			REN0325SWRID08 REN0325HWRID07			Time	1min				0.8%	0.8%						
			REN0325SWRID01 REN0325SWRID02			Phase Voltage Phase Current	240V 1A					Test result		<u></u>				

					System Test Cases								Test	Results	Regressi if a			
						Input Test	Values			Expecte	d Result					•	Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (II any)
73	T2,T3.1		REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Frequency PF Time	52.5Hz 0.5lag 1min	BVA	Active Energy	% Error	of test no.59 -1%	of test no.59 + 1%	1	-0.09%			Acceptable	
74	T2,T3.1		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID05 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 1A 47.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.04%			Acceptable	
75	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 1A 47.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.17%			Acceptable	
76	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 52.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.00%			Acceptable	
77	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 52.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.13%			Acceptable	
78	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 47.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.01%			Acceptable	
79	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 2A 47.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.18%			Acceptable	
80	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 52.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.05%			Acceptable	
81	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 52.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.01%			Acceptable	
82	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 47.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.06%			Acceptable	
83	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 10A 47.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.32%			Acceptable	
84	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 30A 52.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	-0.02%			Acceptable	
85	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 30A 52.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	-0.08%			Acceptable	
86	T2 T3 1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04	Accuracy Test of	do	Phase Voltage Phase Current Frequency	240V 30A 47.5Hz	RVA	Active Energy	% Frror	Test result of test	Test result of test	1	-n n1%			Accentable	

					System Test Cases								Te	st Results	Regression Test,		
						Input Test	Values			Expecte	d Result					Inference on the	Daniel (If and)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration Actual Result	acceptability of the results	Remarks (If any)
00	12,10.1		REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	KWh	do	PF Time	1 1min	DVA	Active Energy	70 E1101	no.59 - 0.8%	no.59 + 0.8%		-0.0170		Acceptable	
87	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 30A 47.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	of test	1	0.34%		Acceptable	
88	T2,T3.1		REN0325HWRID07 REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 60A 52.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	0.22%		Acceptable	
89	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 60A 52.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	Test result of test no.59 + 1%	1	0.42%		Acceptable	
90	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 60A 47.5Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 - 0.8%	Test result of test no.59 + 0.8%	1	-0.20%		Acceptable	
91	T2,T3.1		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	do	Phase Voltage Phase Current Frequency PF Time	240V 60A 47.5Hz 0.5lag 1min	BVA	Active Energy	% Error	Test result of test no.59 -1%	of test	1	-0.14%		Acceptable	
92	T2,T3.2		REN0325SWRID01 REN0325SWRID02 REN0325SWRID04 REN0325SWRID05 REN0325SWRID08 REN0325HWRID07	Accuracy Test of KWh	KWh accuracy test during current reversal	Phase Voltage Phase Current Frequency PF Time	240V -10A 50Hz 1 1min	BVA	Active Energy	% Error	Test result of test no.59 -2%	of test	1	-0.10%		Acceptable	
93	Т6		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	The system will be operated at nominal voltage and nominal current. The operating frequency will be maintained at 50Hz throughout this test. Only the power factor will be varied and will be observed over a duration of one minute.	PF	240V 0.5A 50Hz 0.5lag	BVA	AMPERE	A	0.49	0.51	1	0.49		Acceptable	
94	Т6		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Phase Voltage Phase Current Frequency PF	240V 0.5A 50Hz 1	sv	AMPERE	А	0.49	0.51	1	0.49		Acceptable	
95	Т6		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Phase Voltage Phase Current Frequency PF	240V 0.5A 50Hz 0.8lead	BVA	AMPERE	А	0.49	0.51	1	0.49		Acceptable	
96	Т7		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Phase Voltage Phase Current Frequency PF	240V 4A 50Hz 0.5lag	BVA	AMPERE	А	3.92	4.08	1	3.98		Acceptable	
97	Т7		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Phase Voltage Phase Current Frequency PF	240V 4A 50Hz 1	SV	AMPERE	A	3.92	4.08	1	3.99		Acceptable	
98	Т7		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Phase Voltage Phase Current Frequency PF	240V 4A 50Hz 0.8lead	BVA	AMPERE	А	3.92	4.08	1	4		Acceptable	
qq	TR		REN0325SWRID03	Accuracy Test of	do	Phase Voltage Phase Current Frequency	240V 10A 50Hz	RVA	AMPERE	Δ	9.8	10.2	1	9 98		Accentable	

		T	I	T.	System Test Cases			T	I				Te	st Results	Regression Test, if any		
				Test Case		Input Test	Values			Expecte	d Result					Inference on the acceptability of the	Remarks (If any
Test No.	Test ID	Test Date	Req. ID	Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	No. Result	results	
55	10		REN0325SWRID17	RMS Current	40	PF	0.5lag	DVA	AWII LIKE		3.0	10.2		5.50		Acceptable	
						Phase Voltage	240V										
			DELIGOREOUS DIDOS			Phase Current	10A										
100	T8		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	PF PF	50Hz 1	SV	AMPERE	Α	9.8	10.2	1	10.01		Acceptable	
						Phase Voltage Phase Current	240V 10A										
101	Т8		REN0325SWRID03 REN0325SWRID17	Accuracy Test of	do	Frequency	50Hz	BVA	AMPERE	Α	9.8	10.2	1	9.99		Acceptable	
			RENU3255WRID17	RMS Current		PF	0.8lead										
						Phase Voltage	240V										
			REN0325SWRID03	Accuracy Test of		Phase Current Frequency	60A 50Hz										
102	Т9		REN0325SWRID17	RMS Current	do	PF	0.5lag	BVA	AMPERE	Α	58.8	61.2	1	59.86		Acceptable	
						B1 14 "											
						Phase Voltage Phase Current	240V 60A										
103	Т9		REN0325SWRID03 REN0325SWRID17	Accuracy Test of RMS Current	do	Frequency PF	50Hz 1	sv	AMPERE	Α	58.8	61.2	1	59.1		Acceptable	
						Phase Voltage	240V										
104	Т9		REN0325SWRID03	Accuracy Test of	do	Phase Current Frequency	60A 50Hz	BVA	AMPERE	A	58.8	61.2	1	60		Acceptable	
104	19		REN0325SWRID17	RMS Current	uo uo	PF	0.8lead	BVA	AWIFERE	^	36.6	01.2		00		Acceptable	
					The System will be operated at nominal voltage and nominal												
					current and the display sequence will be checked. The display	y Up Scroll key	Realeased										
					shall scroll through the specified sequence for every 10 sec and repeat after the last parameter of the sequence has been			-									
					displayed. The sequence of the paramters is as follows: 1. Vrms	Down Scoll Key	Released		The display					The display enters			
					2. Irms 3.Cos (phi)	MD reset key	Released		will be					into Auto mode on			
			REN0325SWRID19		4 Owner letter A etter Engage of tents 4	,			checked if the sequence of					power-on.The display scrolls for every 10			
105	T21.1		REN0325HWRID13	Test for Autoscroll	Cumulative Active Energy of tariff 1. Cumulative Active Energy of tariff 2 Cumulative Active Energy of tariff 3			IOD	parameters is in accordance	:	NA	NA	1	secs and the order of the display parameter		Acceptable	
					Cumulative Active Energy of tariff 4 Cumulative Apparent Energy of tariff 1				with the sequence					is the same as			
					Cumulative Apparent Energy of tariff 2 Cumulative Apparent Energy of tariff 3	Display	ON		specified.					specified and the it repeats.			
					11. Cumulative Apparent Energy of tariff 4 12. Total Cumulative Active Energy (resolution 1 decimal												
					points)												
					13. Total Cumulative Apparent Energy (resolution 1 decimal points)												
			REN0325SWRID19	Test for Manual	The System will be operated at nominal voltage and nominal current and the display sequence will be checked. The display	y Down Scoll Key	user press Released		The display will be					The display scrolls Up and the			
107	T21.2		REN03255WRID19 REN0325HWRID13	Scroll	shall scroll through the specified sequence whenever there is UP / DOWN key press. If the scrolling is in AUTO mode and	MD reset key	Released	IOD	checked if the sequence of	1	NA	NA	1	parameters displayed		Acceptable	
		1			user has pressed any of the UP or DOWN key then the	Display Phase Voltage	ON 240V		parameters is					are in specified order.			
						Phase Current	10A										
			REN0325SWRID19 REN0325HWRID13	Manual scrolling to	Press the up or down key to swich the meter to maual	PF	1		The switch over from					To switch over from Manual to Auto mode			
108	T21.3		REN0325SWRID18 REN0325SW DDSR1	auto scrolling to	scrolling mode and after 5 min the meter will again start scrolling in auto scrolling mode.			IOD	manual to auto scroll		NA	NA	1	the meter takes 5		Acceptable	
			REN0325SW_FSR1		coroning in data stroning mode.	Frequency	50Hz		will be 5 mln.					mins.			
109	T12		REN0325SWRID12 REN0325SWRID19	Test of Scrolling	Several combinations of these keys will be pressed to	Up Scroll key Down Scoll Key	Depressed Released	IOD	The display will be		NA	NA	1	The sequence of the display parameters		A	
109	172		REN0325SW_UIR1 REN0325SW_PSR1	Keys,MD reset.	validate the proper operation of the system without letting the system to enter into any invalid state of operation.	MD reset key Display	Released ON	IOD	checked whether the		NA	INA	1	scrolls Up as follows: 1. Maximum Demand		Acceptable	
			REN0325SWRID12 REN0325SWRID19			Up Scroll key	Released		The display will be					The sequence of the			
110	T13		REN0325SW UIR1	<-do->	do	Down Scoll Key MD reset key	Depressed Released	IOD	checked		NA	NA	1	display parameters scrolls Down as		Acceptable	
		 	REN0325SW_PSR1			Display Up Scroll key	ON Released		whether the					follows:			
			REN0325SWRID12			Down Scoll Key MD reset key	Released Depressed]	of the present MD value					12 Back-up of MD			
ļ		1	I INLINUSZUSVIKIU 12	I .	ı	D TOOCE NOY	Depressed	ı	shall be	1	1	1 1		12 Dack-up of MD	ı I	I .	

						System Test Cases								Te	st Results	Regress if a			
						•	Input Test	Values			Expected	Result						Inference on the	
Test No.	Test	ID 1	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
111	T14	4		REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1 REN0325HW_PHR1 REN0325HWRID25 REN0325SWRID14	<-do->	Press the MD Reset key.Then MD value from the EEPROM will be read-out through the RS232 port and verified. This test shall be repeted for 11 times to confirm the 12 history savings in the EEPROM.	Display	ON	IOD	stored in the EEPROM in each reset and shall be read from the RS232 for verification.		NA	NA	12	value with energies are stored in EEPROM and MD becomes zero in each reset when MD key is pressed.			Acceptable	
				REN0325SWRID12			Up Scroll key Down Scoll Key MD reset key	Released Released Released		The specified keys will not perform any									
112	T1!	5		REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1 REN0325HW_PHR1 REN0325HWRID25	<-do->	Several combinations of these keys will be pressed to validate the proper operation of the system without letting the system to enter into any invalid state of operation.	Display	ON	IOD	of their assigned task and the system shall not show any haphazard operation.		NA	NA	1	The meter is operational and display scrolls automatically.			Acceptable	
113	T10	6		REN0325SWRID12 REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1	<-do->	do	Up Scroll key Down Scoll Key MD reset key	Depressed Depressed Depressed	IOD	The specified keys will not perform any of their assigned task and the		NA	NA NA	1	The meter is operational. The specific functions for each of the key are not performed (i.e.,			Acceptable	
				REN0325HW_PHR1 REN0325HWRID25			Display	ON 15sec		system shall not show any haphazard operation.					the display does not scroll UP or DOWN or the MD reset does not occur).				
114	T16	6		REN0325SWRID12 REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1	<-do->	do	Up Scroll key Down Scoll Key MD reset key	Depressed Depressed Released	IOD	keys will not perform any of their assigned task and the		NA	NA	1	The meter is operational. The specific functions for each of the key are not performed (i.e.,			Acceptable	
				REN0325HW_PHR1 REN0325HWRID25			Display	ON		system shall not show any hanhazard The specified					the display does not scroll UP or DOWN).				
115	T10	6		REN0325SWRID12 REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1 REN0325HW_PHR1 REN0325HWRID25	<-do->	do	Up Scroll key Down Scoll Key MD reset key Display	Depressed Released Depressed	IOD	keys will not perform any of their assigned task and the system shall not show any		NA	NA	1	operational. The specified functions for each key are not performed (i.e., the display does not scroll UP or the MD reset does not occur).			Acceptable	
116	T10	6		REN0325SWRID12 REN0325SWRID19 REN0325SW_UIR1 REN0325SW_PSR1 REN0325HW_PHR1	<-do->	do	Up Scroll key Down Scoll Key MD reset key Display	Released Depressed Depressed ON	IOD	hanhazard The specified keys will not perform any of their assigned task		NA	NA	1	The meter is operational. The specified functions for each key are not performed (i.e., the			Acceptable	
117	T17	.1		REN0325HWRID25 REN0325SWRID23 REN0325SWRID08 REN0325SWRID24 REN0325HWRID03 REN0325HWRID04	Test of functionality of RS232 when system is working in normal mode	Transmit the header of the frame for the protocol followed,to the energy meter via the optical port. In response to this, the acknowledgement transmitted by the energymeter shall be compared with the "acknowledgement format".	Switch Battery Source	Header (/?!\x0d\x0a) 240V F F	IOD	and the Data received shall match with the specified acknowledge		NA	NA	1	display does not Acknowledged by the system via RS232 and response message obtained from the meter is			Acceptable	
118	T17	.2		REN0325SWRID23 REN0325SWRID24 REN0325SWRID24 REN0325HWRID03 REN0325HWRID04 REN0325SW_DDSR1 REN0325HW_CHR1 REN0325HW_PHR1 REN0325HW_EIHR1	Test of functionality of Optical port when the system is working in Battery mode	Transmit the header of the frame for the protocol followed to the energy meter via the optical port. In response to this, the acknowledgement transmitted by the enerymeter shall be compared with the "acknowledgement format".	Data transmitted to Phase Voltage Switch Battery Source	Header 0v T	IOD	The data shall be sent and received via Optical port only, not by RS232		NA	NA	1	Acknowledged by the system via optical port and response message obtained from the meter is RS4RESPEM.			Acceptable	
119	T18	8		REN0325HWRID11 REN0325HWRID20 REN0325HWRID22 REN0325SWRID11 REN0325SWRID10 REN0325SWRID06	LED Indication and Fault Indication Tests	The system shall be operated at the nominal operating voltage which will be applied between 1S and 2S.	Phase Voltage Phase Current Neutral Current Frequency PF	240V 10A 10A 50Hz	IOD	The KWh LED shall blink at a rate proportional to the power consumed		NA	NA	1	kWh LED blinks at the rate proportional to the power consumed and Power LED is ON.			Acceptable	
				REN0325HWRID11 REN0325HWRID20			Phase Voltage	240V		Reversal LED and Power I FD					Power and Reversal LEDs are on when reverse current is				Difference between the

					System Test Cases								Te	st Results	Regress	ion Test,		
						Input Test	Values			Expecte	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (if any)
120	T19		REN0325HWRID22 REN0325SWRID11	Current reversal	The Phase current is made to flow in opposite direction.ie.1L	Phase Current	10A(reverse direction)	EB,IOD	should be		NA	NA	1	applied and the			Acceptable	Phase and
120	113		REN0325SWRID10 REN0325SWRID06	indication	to 1S. Nominal phase voltage shall be applied to the system.	Neutral Current	10A(reverse	LB,IOD	ON. The tamper		14/4	144		tamper details are recorded (i.e., S.No,			Acceptable	Neutral current shall be more
			REN0325SWRID06 REN0325SW_PSR1			Frequency	direction) 50Hz		details shall be recorded.					Tamper type, Date, Month and Year).				than 200mA
						PF	1		bo rocordos.					wionin and rear).				
			REN0325HWRID11 REN0325HWRID20			Phase Voltage	240V		ELT and					Power and ELT LEDs are on when neutral current connection is				
			REN0325HWRID22	Earth Leakage	The neutral current connection will be removed (2L) and the	Phase Current	10A		Power LEDs shall be ON.		12.5% of			removed or it is equal				
121	T20		REN0325SWRID11 REN0325SWRID10	indication	load will be connected to earth (1L).	Neutral Current	0A	EB,IOD	The tamper details shall		lb	NA	1	to 0 and the tamper details are recorded			Acceptable	
			REN0325SWRID06 REN0325SW_PSR1			Frequency	50Hz		be recorded.					(i.e., S.No, Tamper type, Date, Month and				
			KEN03233W_F3K1			PF	1							Year).				
						Incoming Phase	Connected to		The meter					The meter is				
			REN0325SWRID10 REN0325SWRID11		The meter shall operate at nominal voltage and	Incoming Neutral	incoming Phase		should be operational					operational and				
122	T22		REN0325HWRID19 REN0325HWRID20	Anti-Tampering and Anti-Fraud	current.During these tests, the various methods of tampering will be simulated on the meter and recorded the details of			EB	and Reversal LED shall		NA	NA	1	Reversal LED is On and the tamper			Acceptable	
122	122		REN0325HWRID22	Testing	tampering. Simultaneously the meter functionality will be	Outgoing Phase	Connected	Lb	glow. The		INA	INA		details are recorded (i.e., S.No, Tamper			Acceptable	
			REN0325SW_DBSR1 REN0325HWRID21		tested for proper operation.	Outgoing Neutral	Connected		tamper details shall					type, Date, Month and				
						Phase Voltage Phase Current	240V 10A		be recorded.					Year).				
			REN0325SWRID10 REN0325SWRID11			Incoming Phase Incoming Neutral	Connected Disconnected		The meter should be					Meter functions normally				
			REN0325HWRID19	_		Outgoing Phase	Connected to		powered ON		12.5% of			and Earth Load				
123	T23		REN0325HWRID20 REN0325HWRID22	<-do->	do	Outgoing Neutral	earth via load earthed	EB	and ELT shall glow. The		lb	NA	1	Tamper LED is On and the tamper			Acceptable	
			REN0325SW_DBSR1 REN0325HWRID21			Phase Voltage Phase Current	240V 3A		tamper details shall					details are recorded				
			REN0325SWRID10 REN0325SWRID11			Incoming Phase	Connected		The meter					(i.e., S.No, Tamper Meter functions normally				
			REN0325HWRID19			Incoming Neutral Outgoing Phase	Disconnected to		should be powered ON		12.5% of			and Earth Load				
124	T23		REN0325HWRID20 REN0325HWRID22	<-do->	do	Outgoing Neutral	earth via load earthed	EB	and ELT shall glow. The		Ib	NA	1	Tamper LED is On. The tamper details			Acceptable	
			REN0325SW_DBSR1 REN0325HWRID21			Phase Voltage Phase Current	240V 10A		tamper details shall					are recorded (i.e.,				
			REN0325SWRID10			Incoming Phase	Connected		The meter					S.No, Tamper type, Meter functions				
			REN0325SWRID11 REN0325HWRID19			Incoming Neutral	Disconnected Connected to	-	should be powered ON		12.5% of			normally and Earth Load				
125	T23		REN0325HWRID20 REN0325HWRID22	<-do->	do	Outgoing Phase Outgoing Neutral	earth via load earthed	EB	and ELT shall glow. The		12.5% 01 lb	NA	1	Tamper LED is On. The tamper details			Acceptable	
			REN0325SW_DBSR1			Phase Voltage	240V		tamper					are recorded (i.e.,				
			REN0325HWRID21 REN0325SWRID10			Phase Current Incoming Phase	30A Connected		details shall The meter					S.No, Tamper type, Meter functions				
			REN0325SWRID11 REN0325HWRID19			Incoming Neutral	Disconnected Connected to		should be powered ON					normally and Earth Load				
126	T23		REN0325HWRID20 REN0325HWRID22	<-do->	do	Outgoing Phase	earth via load	EB	and ELT shall glow. The		12.5% of lb	NA	1	Tamper LED is On. The tamper details			Acceptable	
			REN0325SW_DBSR1			Outgoing Neutral Phase Voltage	earthed 240V		tamper					are recorded (i.e.,				
			REN0325HWRID21			Phase Current Incoming Phase	60A Connected		details shall			 		S.No. Tamper type. Meter functions				
			REN0325SWRID10 REN0325SWRID11			Incoming Neutral	Connected to	-	should be					normally and Earth Load				
127	T24		REN0325HWRID19 REN0325HWRID20	<-do->	do	Outgoing Phase	earth via load	EB	powered ON and ELT shall		12.5% of	NA	1	Tamper LED is On.			A coontabl-	
12/	124		REN0325HWRID22	\-u0->	do	Outgoing Neutral	Connected to earth via	EB	glow. The tamper		lb	INA	1	The tamper details are recorded (i.e.,			Acceptable	
			REN0325SW_DBSR1 REN0325HWRID21			Phase Voltage	resistor 240V	-	details shall					S.No, Tamper type, Date, Month and				
			REN0325SWRID10			Phase Current Incoming Phase	10A Connected		be recorded. The meter					Year). Meter functions				
			REN0325SWRID11			Incoming Phase	Disconnected		should be					normally				
128	T25		REN0325HWRID19 REN0325HWRID20	<-do->	do	Outgoing Phase	Connected to earth via load	EB	powered ON and ELT shall		12.5% of	NA	1	and Earth Load Tamper LED is On.			Acceptable	
			REN0325HWRID22 REN0325SW DBSR1			Outgoing Neutral Phase Voltage	Disconnected 240V		glow. The tamper		ID			The tamper details are recorded (i.e.,				
			REN0325HWRID21			Phase Current	3A		details shall			1		S.No, Tamper type,				
			REN0325SWRID10 REN0325SWRID11 REN0325HWRID19			Incoming Phase	Connected		The meter should be powered ON and ELT shall		12.5% of			Meter functions normally and Earth Load Tamper LED is On.				
129	T25		REN0325HWRID20 REN0325HWRID22	<-do->	do	Incoming Neutral	Disconnected Connected to	EB	glow. The tamper		lb	NA	1	The tamper details are recorded (i.e.,			Acceptable	
			REN0325SW_DBSR1			Outgoing Phase	earth via load]	tamper details shall			1		S.No, Tamper type,				

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	System Test Cases												Tes	st Results	Regress	ion Test,		
					System Foot Gases	Input Test	Values			Expecte	d Result			or recount		,	Inference on the	
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
			REN0325HWRID21			Outgoing Neutral Phase Voltage Phase Current	Disconnected 240V 10A		be recorded.					Date, Month and Year).				
			REN0325SWRID10 REN0325SWRID11 REN0325HWRID19			Incoming Phase	Connected		The meter should be powered ON					Meter functions normally and Earth Load Tamper LED is On.				
130	T25		REN0325HWRID20 REN0325HWRID22 REN0325SW_DBSR1 REN0325HWRID21	<-do->	do	Incoming Neutral Outgoing Phase Outgoing Neutral	Disconnected Connected to earth via load Disconnected	EB	and ELT shall glow. The tamper details shall		12.5% of lb	NA	1	The tamper details are recorded (i.e., S.No, Tamper type, Date, Month and			Acceptable	
						Phase Voltage Phase Current	240V 30A		be recorded.					Year).				
131			REN0325SWRID10 REN0325SWRID11 REN0325HWRID19 REN0325HWRID20			Incoming Phase	Connected	50	The meter should be powered ON and ELT		12.5% of	NA NA		Meter functions normally and Earth Load Tamper LED is On.				
131	T25		REN0325HWRID20 REN0325HWRID22 REN0325SW_DBSR1 REN0325HWRID21	<-do->	do	Incoming Neutral Outgoing Phase Outgoing Neutral Phase Voltage	Disconnected Connected to earth via load Disconnected 240V	EB	LEDs shall glow. The tamper details shall be recorded.		lb	NA NA	1	The tamper details are recorded (i.e., S.No, Tamper type, Date, Month and Year).			Acceptable	
						Phase Current	60A Connected to							reary.				
						Incoming Phase Incoming Neutral	outgoing Phase Connected		The meter should be					Meter functions				
			REN0325SWRID10 REN0325SWRID11 REN0325HWRID19			Outgoing Phase	Connected to incoming		operational and the Reversal and		12.5% of			normally and Reversal LED is ON. The tamper details				ELT LED is not
132	T26		REN0325HWRID20 REN0325HWRID22 REN0325SW_DBSR1 REN0325HWRID21	<-do->	do	Outgoing Neutral	Phase Connected	EB	ELT LEDs shall glow. The tamper		lb	NA	1	are recorded (i.e., S.No, Tamper type, Date, Month and			Acceptable	glowing
			TENOOZOTIWITIDZ I			Phase Voltage	240V		details shall be recorded.					Year).				
						Phase Current	10A		The meter									
400	T45		DENIOSSEL IMPLICA	Mada Burana Tant	The meter shall be bypassed using a low resistance wire	Incoming Phase Incoming Neutral	Connected Disconnected		should be operational and the "ELT"		12.5% of			Meter functions normally and the "ELT" LED is On. The				
133	T45		REN0325HWRID08	Meter Bypass Test	between 1S and 1L.	Outgoing Phase Outgoing Neutral Phase Voltage	Connected Disconnected 240V	EB	LED shall glow. The tamper		lb	NA	1	tamper details are recorded (i.e., S.No, Tamper type, Date,			Acceptable	
134	T46			Impulse voltage test	The impulse of 6KV is applied 10 times with one polarity and then repeated with the other polarity. The minimum time between the impulses shall be 3s. Impulse voltage test of electric circuits relative to earth. This shall be only a functional test.	Phase Current Impulse Voltage	10A 6KV		details shall Functionality					Month and Year).			NA	Not in the Scope of project because it depends on casing, but test plan prepared for
			REN0325HWRID08		iuncuonariest.													general class 1.0 meters
					For Protective Class 1 Meters:Points of application of test	Test Voltage R.M.S.	.: 4KV											
					voltage: a.) Between: On one hand, all the current and voltage circuits as well as the auxiliary circuits whose reference													Not in the Scope of project because it
135	T47		REN0325HWRID08	AC Voltage Test	circuits as went as the acunary circuits whose reference voltage is over 40V, connected together and on the other hand, earth. b.) Between circuits not intended to be connected together in service. The test voltage shall be substantially sinusoidal, having a frequency between 45Hz and 65Hz and applied for min.	ı			Insulation								NA	depends on casing, but test plan prepared for general class 1.0 meters
136	T48		REN0325HWRID08	Meter Constant	The relation between the test output and the indication on the display shall comply with the marking on the nameplate.	Incoming Phase Incoming Neutral Outgoing Phase Outgoing Neutral Phase Voltage	Connected Connected Connected Connected 240V		Energy accumulated for 1600 pulses shall be equal to the back	kwh			1	0.99996			Acceptable	

					System Test Cases								Te	st Results	Regression if any	est,	
				Test Case		Input Test \	Values			Expecte	ed Result					Inference on the acceptability of	
Test No.	Test ID	Test Date	Req. ID	Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration Ac No. Re	tual results	
						Phase Current	10A		computed energy from pulses.								
137	T58		REN0325HWRID08	Test of no-load condition	The current circuit must be open circuit and a voltage of 115 % of Un shall be applied to the voltage circuit. The test output of the meter shall not produce more than one output pulse count. The minimum test period will be Dt * (600 X 106)/(k X m X Un X Imax) min where k = number of pulses emitted by the output device of the meter per kilowatt hour(imp/KWh)	Phase Voltage	276V		Test shall be conducted for minimum 20min there should not be any		one pulse	one pulse	1	No pulse observed		Acceptable	
					m = number of measuring elements Un = reference voltage in volts Imax = maximum current in amperes The maximum time should not exceed 200min.The minimum test period will be decided after design phase.	Time	20 min	-	increment in energies and should not emit pulse								
138	T49		REN0325HWRID08	Test of power consumption	The active and apparent power consumption in each voltage circuit of a meter at sinusoidal reference voltage (240V +1%), reference temperature (27°C+2%), reference frequency (50Hz +0.3%) and zero magnetic induction shall not exceed 1.5W and 8VA and for each current circuit at 1b shall not	Phase Voltage Frequency	240V 50Hz	-			NA	8VA	1	The active and apparent power consumption in each voltage circuit is		Acceptable	
					exceed 1.0VA. This is in compliance with standards	Voltage interruptions	100%	-						<2VA			
400	700		8511000	Voltage Dips and	For testing, MD display will be used. The voltage dips and short interruptions shall not produce a change in the register of more than 0.01 KWh.When the voltage is restored, there	interruption time number of interruptions	1s 3										Supply voltage disturbance has been conducted
139	T50		REN0325HWRID08	short Interruptions	shall not have suffered degradation of its meteorological characteristics. Test Conditions:-Voltage circuit energized by reference voltage- No current in current circuits	Restoring time Test between 50ms between 50ms between 50ms				Acceptable	system is working normally						
140	T50		REN0325HWRID08	do	do	Voltage interruptions interruption time number of interruptions Restoring time between interruptions	100% 20 ms 1	EB	functionality							Acceptable	Supply voltag disturbance h been conduct system is working normally
141	T50		REN0325HWRID08	do	do	Voltage interruptions Dip time Number of dips	50% 1 min 1	EB	functionality							Acceptable	Supply voltag disturbance hi been conducte system is working normally
142	T51		REN0325HWRID08	Test of influence of short-time over-currents	After the application of the short-time overcurrent with the voltage maintained at the terminals, the meter shall be allowed to return to the initial temperature with the voltage circuits energized for one hour individually. The meter shall be able to carry a short-time overcurrent of 30 times Imax for one half cycle at rated frequency	Basic Current Power Factor Limits of Variation in Percentage error	10A 1 1.50%	EB	Short-time overcurrent shall not damage the meter. The meter shall perform correctly,	Error percentaç e	9	+ / - S876N4%	1	0.20%		Acceptable	
143	T52		REN0325HWRID08	Test of influence of self-heating	After the voltage circuits of the meter have been energized at nominal voltage and meters without any current in the current circuits for at least 2 hours, the rated maximum current shall be applied to the current circuits. The meter error shall be measured at unity power-factor and at 0.5 is guimediately after the current is applied and then at intervals short enough to allow a correct drawing to be made of the curve of error variation as a function of time.	Phase Current	240V 10A 1 0.70%	EB	shall perform correctly, when back to to its initial working conditions and the variation of error shall not exceed the values in the							NA	Not in the sco of Project
-						Phase Voltage Phase Current	240V 10A	=	The meter shall perform correctly,								

					System Test Cases								Te	est Results	Regress if a	ion Test,		
						Input Test \	/alues			Expected	d Result						Inference on the acceptability of the	Remarks (If any)
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (II ally)
144	T52		REN0325HWRID08	<-do->	do	Power Factor Limits of Variation in Percentage error	0.5lag 1%	EB	when back to its initial working conditions								NA	Not in the scope of Project
						Test Voltage on the	4K(Common		and the variation of error shall not									
						current and voltage Duration	Mode) 60s at each polarity		During the test a temporary	Accuracy								
145	T53		REN0325HWRID08	Fast Transient Burst Test		Cable length between coupling device and EUT Limits of Variation in	1m 4%	EB	degradation or loss of function or performance	Error percentag e		4%	1	-0.96%			Acceptable	
						Percentage error	80MHz to		is acceptable.									
						Cable length exposed to the field:	2000MHz 1m		application of RF field shall not produce a change in the									
146	T54		REN0325HWRID08	Test of immunity to electromagnetic RF fields	Carrier modulated within 80% AM at 1KHz sine wave a.) Test with current:Unmodulated Test Field Strength: 10V/mDuring the test, the behavior of the equipment shall not be perturbed and the variation of error shall be within 2%.b.)	Test Field Strength	10V/m	EB	register of more than 0.01 KWh and the test			2%	1	1.06%			Acceptable	
					, posterior and the remaining of entry shall be writing 276.0.)				output shall not produce a signal equivalent to									
						Frequency Band: Cable length	80MHz to 2000MHz		The application of RF field shall								NA NA	
147	T54		REN0325HWRID08	EN0325HWRID08 <-do->	<-do->	exposed to the field: Test Field Strength	1m 30V/m	EB	not produce a change in the register of more than									
									0.01 KWh and the test After									
					Meter in operating condition- Voltage circuit energized with reference voltage (Un)- Without any current in the current	Test voltage:	8KV		application of the electrostatic discharge the meter shall									
148	T55		REN0325HWRID08	Test of immunity to electrostatic	circuits and the current circuit shall be open circuitThe application of the electrostatic discharge test voltage shall not	Test severity level: Number of	4	EB	show no damage or								NA NA	Not in the scope of project, since
140	155		KEN0323HWKID00	discharge	produce a change in the register of more than 0.01 KWh and the test output shall not produce a signal equivalent to more	discharges:	10 Contact		change of information								, NA	it depends on casing
					than 0.01 KWh. Meter in non-operating condition- Voltage and current circuit shall be unenergized	Type of Discharge	Discharge		and shall stay within the accuracy requirements									
					The test will be carried out according to CISPR22, under the				of this specification. The test									
149	T56		REN0325HWRID08	Radio Interference Measurement	following conditions:- For Class B equipment- Tested as table top equipment- For connection to the voltage circuits, an unshielded cable length of 1m to each connector shall be	-		EB	results shall comply with the								Acceptable	Results are in Compliance Test Document
					used- Voltage circuits energized with reference voltage (Un)- With a current between 0.1lb and 0.2lb respectively.				requirements given in The			Devis						Document
150	T57		REN0325HWRID08	Surge Immunity	Cable length between Surge generator and EUT: 1mPhase angle: pulses to be applied at 60 deg. and 240deg. after zero-			EB	application of the surge	Kwh		Register values should not	1	No change in register			Acceptable	
130	131		. ALIVOZJI IVINIDUO	Test	crossing of ACTest voltage: 4KV Generator impedance: 2W				immunity test voltage shall	IXWII		more than	•	value[zero]			Acceptante	
			DENIO2250MDID22		The meter shall operate at a phase voltage of 240V and a	Phase Voltage	240V		not produce a Verify									
151	T27		REN0325SWRID09 REN0325SWRID12 REN0325SW_UIR1	MD test	Phase current of 10A and unity PF. Initially MD reset shall be done, then the meter is operated for 30min at the same operating condition. For Auto Reset RTC shall be forced to	Phase Current Power Factor Time	10A 1 30min	sv	whether the correspondin g KW value is	KW	2.376	2.424	1	The MD value is 2.062			Acceptable	
			REN0325SWRID13		month end.	Phase Voltage	240V		stored in MD register. The									
152	T28		REN0325SWRID09 REN0325SWRID12 REN0325SW UIR1	<-do->	The meter shall now be operated at a relatively higher KW. The MD register shall be updated at the end of this test	Phase Current Power Factor Time	20A 1 30min	sv	correspondin g KW value is overwritten	KW	4.752	4.848	1	The MD value is overwritten. The new			Acceptable	
			ALINO233W_UIRT]	duration.	IIIIC	JUIIIII]	the previous					MD value is 4.214				

		System Test Cases											Te	not Dogulto	Regressi			
					System Test Cases	Innut Took	Malura			F	d Daniell		16	est Results	if a	iny	Inference on the	
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Input Test	Input Values	Test Case Designed For	Output Parameter	UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	acceptability of the results	Remarks (If any)
153	T29		REN0325SWRID09 REN0325SWRID12 REN0325SW_UIR1	<-do->	The meter shall now be operated at a relatively lower KW. The MD register shall not be updated at the end of this test duration.	Phase Voltage Phase Current Power Factor Time	240V 10A 1 30min	SV	value in MD The MD register shall retain its previous MD value without being	KW	4.752	4.848	1	The MD value is retained i.e., 4.214			Acceptable	
154	T27		REN0325SWRID09 REN0325SWRID12 REN0325SW_UIR1 REN0325SW_DBSR1	MD test	The meter shall operate at a Phase current of 240V and a Phase current of 10A and unity PF. Initially, a MD reset shall be done then the meter is operated for 60min at the same operating condition.	Phase Voltage Phase Current Power Factor Time	240V 10A 1 60min	SV	Verify whether the correspondin g KW value is stored in MD register.	ĸw	2.376	2.424	1	The MD value is 2.412				
155	T28		REN0325SWRID09 REN0325SWRID12 REN0325SW_UIR1 REN0325SW_OBSR1	<-do->	The meter shall now be operated at a relatively higher KW. The MD register shall be updated at the end of this test duration.	Phase Voltage Phase Current Power Factor Time	240V 20A 1 60min	- SV	The correspondin g KW value is overwritten the previous value in MD register	кw	4.752	4.848	1	The MD value is overwritten. The new MD value is 4.833			Acceptable	
156	T29		REN0325SWRID09 REN0325SWRID12 REN0325SW_UIR1 REN0325SW_DBSR1	<-do->	The meter shall now be operated at a relatively lower KW. The MD register shall not be updated at the end of this test duration.	Phase Voltage Phase Current Power Factor Time	240V 10A 1 60min	sv	The MD register shall retain its previous MD value without being	ĸw	4.752	4.848	1	The MD value is retained i.e., 4.833				
157	T62		REN0325SWRID20	Power-Failure Interrupt	The power supply to the energymeter is switched off. The value of all the energies are noted before the commencement of this test to be compared with the data after the power is switched ON again with no current.	Phase Voltage Phase Current Power Factor	240V 10A 1	sv	The back-up d Maximum Der shall be read	Deiring The back-up data like, cumulative active energy, Maximum Demand, RTC Backup, Present tariff shall be read from the EEPROM and shall be found equal to the values before the power failure.		1	The backup of values are taken when power is failed and it is retrived after power is switched on without			Acceptable		
158	T63		REN0325SWRID13	Monthly Auto Reset	The RTC will be programmed to a suitable time very near to a month change-over. At the instant the month change-over occurs a a back-up of the following parameters are taken in the EEPROM.(1) Cumulative Active & Apparent Energy (2) Maximum Demand in KW. (3) Date and Time from RTC (4) Type of Reset (5) Total Cumulative active energy	Phase Voltage Phase Current Power Factor	240V 10A 1	sv	The values o time of RESE ⁻ in th	Γ shall be	ified parame read throug lection mod	h serial port	1	current supply. The backup of (1) Cumulative Active & Apparent Energy (2) Maximum Demand in KW. (3) Date and Time from RTC (4) Type of Reset (5) Total Cumulative			Acceptable	
159	T64		REN0325SWRID15 REN0325SWRID08 REN0325SWRID16	Tariff update test	The meter shall be operated at the nominal voltage and current during the entire period of a specified tariff. During this period the energy consumed shall be updated in the respective tariff till the end of slot.	Phase Voltage Phase Current PF Frequency	240V 10A 1 50Hz	sv	The LCD disp	lays the re	espective tai	riff energies.	1	The meter operates normally. The energy consumed is updated in the respective tariff till the end of slot.			Acceptable	
160	T65		REN0325SWRID09 REN0325SWRID22 REN0325SWRID23	Programming tariff	Refer serial Comm. document for programming various parameters	Phase Voltage Phase Current PF Frequency	240V 10A 1 50Hz	sv	The resul	t should as	s per the do	cument	1	The Parameters is updated as the meter is programmed			Acceptable	
161	T66		REN0325SWRID15 REN0325SWRID22 REN0325SWRID23	Programming RTC parameters	Refer serial Comm. document for programming various parameters	Phase Voltage Phase Current PF Frequency	240V 10A 1 50Hz	sv	The result should as per the document		1	The Parameters is updated as the meter is programmed			Acceptable			
162	T67		REN0325SWRID22 REN0325SWRID23	Scroll and MD integration period	Refer serial Comm. document for programming various narameters	Phase Voltage Phase Current PF Frequency	240V 10A 1 50Hz	SV	The result	t should as	s per the do	cument	1	The Parameters is updated as the meter			Acceptable	

					System Test Cases									Te	st Results	Regressi if a			
						Input Test \	/alues			Ex	pected Re	sult						Inference on the acceptability of the	Remarks (If any
Test No.	Test ID	Test Date	Req. ID	Test Case Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter	U	OM Lower Limit Upper Limit Iteration No.		Iteration No.	Actual Result	Iteration No.	Actual Result	results	Remarks (II any	
			REMODESOWRIDES	programming	parameters					-1					is programmed				
163	T30		REN0325SWRID25 REN0325HWRID28 REN0325HW_PCSR1 REN0325HWRID27	Battery Power Supply, To test if there Phase voltage is not there	Switch OFF the Phase voltage or the power supply to the unit and press the Battery power switch.	Battery Switch Power Supply to controller Battery Supply	User Press 0v 3.3V	IOD	Power LED:		e switched ule shall be		ind Display	1	Power LED is switched off. Voltage and Current are displayed as zero and			Acceptable	
	T31		REN0325HWRID15 REN0325SWRID25 REN0325HWRID28 REN0325HW_PCSR1 REN0325HWRID27	and switch is Battery Power Supply, To test if Phase voltage is not there and	Switch OFF the Phase voltage or the power supply to the unit and DO NOT press the Battery power switch.	Battery Switch Power Supply to controller Battery Supply	No Press 0v 3.3V	IOD	Power LED :	shall l	e switched	d OFF, a be OFF	and Display	1	Meter is not operational			Acceptable	
164	T32		REN0325HWRID15 REN0325SWRID25 REN0325HWRID28 REN0325HW_PCSR1 REN0325HWRID27	switch is NOT Battery Power Supply, To test if Phase voltage is Present and switch	Switch ON the Phase voltage or the power supply to the unit.	Battery Switch Power Supply to controller Battery Supply	X 3.3V X	IOD	Power LEI	D and	the Display	y Module N.	e shall be	1	Meter is operational. Power led is switched on.Voltage and Current are displayed			Acceptable	
165	T33		REN0325HWRID15 REN0325SWRID25 REN0325HWRID28 REN0325HW_PCSR1 REN0325HWRID27	is pressed or even Battery Power Supply, If the Power Supply and Battery Supply is	Switch OFF the Phase voltage or the power supply to the unit.	Battery Switch Power Supply to controller Battery Supply	X 0V 0V	IOD	Power LED		the Display		e shall be	1	and Energy values Meter is not operational			Acceptable	
166	T34		REN0325HWRID15 REN0325HWRID24 REN0325SW_OSR1	NOT present Starting Current Test	The power supply of 240V and current of 20mA shall be applied	Phase voltage Supply Phase current Neutral current	240V 20mA 20mA	IOD	the meter s	power		D should		1	The meter functions normally and kWh LED blinks with in 10 min			Acceptable	
167	T35		REN0325HWRID24 REN0325SW_OSR1	Starting Current Test, Phase current is there and Neutral current is not present	The power supply of 240V and current of 20mA shall be applied	Phase voltage Supply Phase current Neutral current	240V 20mA 0	IOD	the meter s	power		D should		1	The meter functions normally and kWh LED blinks with in 10 min			Acceptable	
168	Т36		REN0325HWRID24 REN0325SW_OSR1	Starting Current Test, Phase current is not there but Neutral current is present	The power supply of 240V and current of 20mA shall be applied	Phase voltage Supply Phase current Neutral current	240V 0 20mA	IOD	the meters current and pulse with in Mod	power 10 m	. KWh LE	D should ED and t	make one the Display	1	The meter functions normally and kWh LED blinks with in 10 min			Acceptable	
169	Т38		REN0325HWRID06 REN0325SW_PSR1	Power On Test	At-40% of 240V the meter shall be checked for ON condition.	Phae Voltage Supply Frequency	144V 50Hz	IOD		M	eter shall (ON		1	Meter functions normally			Acceptable	
170	T39		REN0325SWRID20 REN0325SW_DDSR1 REN0325HW PHR1	RTC Parameter settings	If the received RTC parameter contains the error in the TIME parameter	Time Date	30:90:90 20-04-05	IOD	RTC para	amete	r shall not of invalid ti	be progr	rammed ed	1	The RTC is not programmed and invalid message is			Accpetable	
171	T40		REN0325SWRID20 REN0325SW_DDSR1 REN0325HW_PHR1	RTC Parameter settings	If the received RTC parameter contains the error in the DATE parameter	Time Date	Hour, within the 0-23 and 40-30-20	IOD	RTC para	amete	r shall not of invalid d	be progr	rammed ed	1	invalid message is The RTC is not programmed and invalid message is			Accpetable	
172	T41		REN0325SWRID20 REN0325SW_DDSR1 REN0325HW_PHR1	RTC Parameter settings	If the received RTC parameter contains ALL acceptable parameter	Time Date	Hour, within the 0-23 and If the Date is with in 1 to	IOD	RTC date	parar	neter shall	be prog	rammed	1	obtained from the			Acceptable	
173	T59		REN0325HWRID21	Third CT Performance Check	The power supply of 0V and current of 1A - Above 3A shall be applied	Incoming Phase Incoming Neutral Outgoing Phase Outgoing Neutral Phase Voltage Phase Current	Connected Disconnected Connected to earth via load Disconnected 0V 1A	EB	The me	eter sh	ould not be	e powere	ed ON.	1	Meter is not powered on			Acceptable	

		System Test Cases											st Results	Regression Test, if any			
	Total		Test Case		Input Test Values			Expecte	d Result						Inference on the acceptability of the	Remarks (If any)	
Test No.	Test ID	Test Date	Req. ID	Scenario Description	Test Description (explaining test Condition, Setup and other details)	Data Element	Input Values	Test Case Designed For	Output Parameter UOM	Lower Limit	Upper Limit	Iteration No.	Actual Result	Iteration No.	Actual Result	results	
						Incoming Neutral	Disconnected		-		·I						
174	T60		REN0325HWRID21	<-do->	do	Outgoing Phase Connected to earth via load EB	EB	The meter should r	not be powe	red ON.	1	Meter is not powered			Acceptable		
						Outgoing Neutral	Disconnected					on					
						Phase Voltage Phase Current	0V 2A										
						Incoming Phase	Connected						Meter functions				
						Incoming Neutral	Disconnected						normally				Units are
175	T61			<-do->	do	Outgoing Phase Connected to earth via load		EB	The meter should be on the third CT. The tai			4	and Earth Load			acceptability of the results Acceptable	marginally
175	161		REN0325HWRID21	1-40-2	do	Outgoing Neutral	Disconnected		reco		Silali DC		Tamper LED is On.			Acceptable	switching on at 3
					Ph	Phase Voltage	0V						The Tamper details				to 4A
						Phase Current	Above 3A					are recorded.					

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	Annexure									
		System Test Plan & Test Results								
Sr No	Codes	Description								
1	Project ID	Project ID allotted by SQA								
	Project Name	Name of the project								
		Initials of the person who has prepared or last modified the System Test Plan								
4	System Test plan prepared /last modified on	indicate the date on which the system test plan was prepared or last modified whichever is later								
5	RS version	Indicate the version of RS against which this Test Plan is prepared / updated								
6	Firmware /Software version	Version of the firmware / Software being tested								
7	Test Start Date	indicate the date on which the system testing has started								
8	Test End Date	The date on which the system testing has concluded including all the regression tests done, if any								
9	Total No. of bugs	Count of the total number of bugs uncovered from System testing (including regression tests done if any)								
10	Test Environment Details	Indicate the test environment if the test is performed in other than the normal ambient conditions								
11	Test bench Details	Specify the test equipments /tools used for performing the system testing along with their version /configuration details								
12	Test No.	Test number with respect to requirement ID								
13	Test Case Scenario No	unique running serial number								
14	Test Date	date on which all the iterations and regression tests as applicable for the particular test were completed								
	Reg ID	Indicate the requirement ID as specified in the RTT								
16	Test Case Scenario Description	Indicate here the specific details of the test if the information provided in the decision table is not sufficient								
17	Test Description (explaining test Condition, Setup and other details)	describe the test conditions in detail including the set up , interconnections , trigger etc. for each test number								
18	Input Test Values	Input data for each of the data elements connected with each business scenario								
19	Data Element	List all the input data conditions connected to this test scenario								
	Input Values	For each of the data elements assign specific input values considering the business scenario under test								
21	Test Case Designed For	>Boundary Value Analysis >Equivalence Partitioning >Domain Analysis >Special Value >Error based >Robustness test cases								
22	Expected Result	Indicate the results expected as per customer's requirement								
23	Output Parameter	The parameter through which the output of this test is being measured								
	UOM	Indicate the unit of measurement as appropriate								
25	Upper Limit	Acceptable Upper limit of the expected result, as applicable								
26	Lower Limit	Acceptable Lower Limit of the expected result, as applicable								
27	Iteration No.	indicate the iteration number of the test viz., '1' indicates the test is being performed for the first time, '2' indicates that the test is being repeated again here, it is assumed the system test is being redone on either the same prototype multiple number of times or being repeated on a different prototype								
28	Actual Result	the actual result indicating the measurements /outcome of the test								
	Inference on the acceptability of the results	B: Not Acceptable C: To be Reworked D: Accepted with Limitations								
30	Remarks (If any)	Remarks if any								
	Details of As - Run Tests	Enlist here other test sequences followed during the actual test (which are not planned in the above table)								
		indicate the limitations/ deficiencies/risks expected in the final product performance taking into consideration the result of system testing								
33	Tested By	indicate the initials of the person conducting the test								
34	Tested On	indicate the date on which the test was concluded								
		Take into account the inferences drawn out of the test/regression test results as explained above, limitations,								
35	Conclusion	deficiencies and risks perceived before arriving at the conclusion on the acceptance or rejection of the product								

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