

RAJASTHAN RAJYA VIDHYUT PRASARAN NIGAM LTD.

(PROTECTION WING)

Joint inspection / test report of windfarm power plant in respect of Main Metering Equipment.
Date 15/02/06

1.Particular of customer	M/s Enercon India Ltd.
2. Location of Metering	132 KV Amarsagar Temderai Line 1st Amarsagar GSS
3.Name of Circle/Div/GSS	SE(Prot.), RRVPNL, Udaipur & SE (M&P), JdVVNL, Jodhpur / XEN (Prot.) RRVPNL & XEN (M&P), JdVVNL, Jodhpur
4.Capacity (MW)	116.41 MW
5.Supply Voltage	132 KV
6.Purpose of Visit	Routine Testing / Inspection

7.Details Of CT-PT/CT/PT set

Particular	CT	PT
Make	ITC	ALSTOM
Ratio	250-500/1 A (Adapted 500/1A)	132 KV/√3/110V/√3
Voltage	132 KV	132 KV
Class	0.2	0.2
VA Burden	30	50

8.Details Of Meter:

Sr. No.	TNU00946	CT Ratio	400/1 A
Make	Secure	PT Ratio	132KV/√3/110V/√3
Type	E3M021	Pulse/Rev. Constant	160
Class Of Accuracy	0.2	Overall MF	1250

9.Details of Seal Provided.

Particular	Before Test	After Test
Meter Body Seals	I23502/165	Same
Com Port	U04767/155	Q74075/155
Meter Terminal Cover	U04618/155	Q74076/155
Test Terminal Block	U04619/155	Same
Meter panel Box	U04620/155	Q74077,78/155
CT PT set Terminal Cover /Body Seal	CT : U04615,16,17/155 PT: U04612,13,14/155	

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10. Testing of Energy Meter

Details of Test Set.

Make	KOCOS	Sr. No.	CT 04056	Type	METES 320	Class	0.1
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Test Results

% Load	PF	KWH			KVARH		
		% Error	RSM Error	True Error	% Error	RSM Error	True Error
10%	Unity	-0.1	NA	-0.1	NA	NA	NA
	0.5 Lag	0.02	NA	0.02	-0.02	NA	-0.02
	0.5 Lead	-0.18	NA	-0.18	-0.02	NA	-0.02
20%	Unity	-0.09	-0.07	-0.02	NA	-	-
	0.5 Lag	-0.01	-0.04	0.03	-0.05	-0.04	-0.01
	0.5 Lead	-0.1	-0.04	-0.06	-0.07	-0.06	-0.01
100%	Unity	-0.02	-0.02	0	NA	-	-
	0.5 Lag	-0.02	0.06	-0.08	-0.13	-0.05	-0.08
	0.5 Lead	-0.04	-0.07	0.03	-0.13	-0.07	-0.06

11. Readings of meter under test

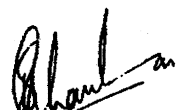
	KWH/MWH		KVARH/MVARH		KVAH/MVAH	CMD U	UC KVA
	Import	Export	Lag	Lead			
Initial Reading Before Test	1	4471	291	127	4563.5	256.8	0.00
Final Reading After Test	1	4492.07	305.88	137	4598.9	256.8	30.80
Difference	0	21.07	14.88	10	35.4	0	30.80
MF	1250	1250	1250	1250	1250	1250	1250
Net Assessment	0	26337.5	18600	12500	44250	0	38500


Remark's

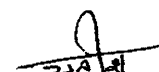
1. CT Ratio checked & found correct.
2. Load Survey also taken through MRI.


Superintending Engineer (Prot.)
RRVPNL, Udaipur

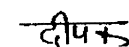

Executive Engineer (M & P)
JdVNL, Jodhpur

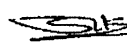

Representative Of Firm
H.S. Chauhan
Emercon India Ltd.


Asstt. Engineer (Prot.)
RRVPNL, Balotra


Asstt. Engineer (Prot.)
RRVPNL, Jodhpur


Asstt. Engineer (M&P)
JdVNL, Jaisalmer


JEN (Prot.)
RRVPNL, Jodhpur


JEN (P)
RRVPNL UDR