WIND BASED POWER GENERATION BY MYTRAH ENERGY (INDIA) LIMITED (EKIESL-VCS-JANUARY-16-01)

Document Prepared By EKI Energy Services Limited

Project Title	Wind Based Power Generation by Mytrah Energy (India) Limited (EKIESL-VCS-January-16-01)
Version	02
Report ID	01
Date of Issue	30-November-2020
Project ID	1521
Monitoring Period	02-August-2019 to 31-March-2020 (Inclusive of both days)
Prepared By	EKI Energy Services Limited
Contact	Email ID : anjali@enkingint.org T +91 731 42 89 086, M +91 9589899649 Address: Office no. 201, Plot 48, Scheme 78 part 2 Vijay Nagar, Near Brilliant Convention Centre Indore - 452010 (M.P, India) Website www.enkingint.org

CONTENTS

1 PROJECT DETAILS

1.1 Summary Description of the Implementation Status of the Project

The purpose of the project activity is to generate electrical energy using renewable energy source (wind) for the purpose of captive utility. The project activity generates electricity using wind potential and converts it into kinetic energy using Wind turbines, which drives the alternators to generate energy. The generated electricity is exported to the regional grid system which is under the purview of the Southern grid of India (Now INDIAN Grid).

This project activity involves the installation of Wind Power Projects. The total installed capacity of the project is 233.1 MW; which involves operation of 156 Wind Turbine Generators (WTGs) with capacity of 0.85 MW each located at Karnataka (112 WTGs) and Andhra Pradesh (44 WTGs) implemented by Mytrah Vayu Krishna Private Limited and 67 Wind Turbine Generator (WTGs) of 1.5 MW implemented by Mytrah Vayu (Manjira) Private Limited Tamil Nadu state in India. These are the subsidiary companies of Mytrah Energy (India) Limited. However the project is promoted by Mytrah Energy (India) Limited, which is also the project proponent in the project activity. The commissioning dates of the project activity is mentioned in APPENDIX 1: Date of Commissioning.

The power produced displaces an equivalent amount of power from the grid, which is fed mainly by fossil fuel fired power plants. Hence, as per VCS PD, it results in total electricity generation of 488,385.45 MWh/year and of GHG emission reductions of 479,448 tonnes of CO_2/year.

The Project activity is a new facility (Greenfield) and the purpose of the project activity is to generate electricity by the utilization of wind velocity, and selling the generated electrical energy from 132.6 MW project implemented by Mytrah Vayu Krishna Private Limited to respective state utitlies under the Southern Grid. Further energy generation from 100.5 MW wind mill project implemented by Mytrah Vayu (Manjira) Private Limited is for captive utilization, under Tamil Nadu state. In this process there is no consumption of any fossil fuel and hence the project does not lead to any greenhouse gas emissions. Thus, electricity would be generated through sustainable means without causing any negative impact on the environment.

In the Pre- project scenario the equivalent amount of electricity delivered to the grid by the project activity, would have otherwise been generated by the operation of grid-connected fossil fuel based power plants and by the addition of new generation sources. The Pre-project scenario for the facility where the electricity is wheeled (in case of TN WEGs), the electricity was sourced from southern grid.

The total emission reductions achieved during current monitoring period is 168,371 tons of CO_2e.

1.2 Sectoral Scope and Project Type

The project activity falls under the following Sectoral scope and Project Type:

Sectoral Scope: 01 - Energy industries (renewable / nonrenewable sources)

Project Type: I - Renewable Energy Projects

Methodology: ACM0002: Grid-connected electricity generation from renewable sources -Version 16.01

The project is not a grouped project activity

1.3 Project Proponent

Organization name	Mytrah Energy (India) Limited (subsidiary of Mytrah Vayu Krishna Private Limited and Mytrah Vayu (Manjira) Private Limited)
Contact person	Mr. Santosh Kotti
Title	Deputy Manager
Address	1st Floor, Prestige Meridian-II, No. 30 M.G Road, Bangalore – 560 001.
Telephone	+91 9655967839
Email	Santoshi.kotti@mytrah.com

1.4 Other Entities Involved in the Project

Organization name	EKI Energy Services Limited
Role in the Project	Project Consultant
Contact person	Anjali
Title	Assistant Manager
Address	Office No. 201, EnKing Embassy, Plot No. 48, Scheme No. 78, Part II, Vijay Nagar INDORE – 452010, India.
Telephone	+91-731-4289086
Email	anjali@enkingint.org

1.5 Project Start Date

Project Start Date: 21-February-2014

[1] http://cdm.unfccc.int/methodologies/DB/EY2CL7RTEHRC9V6YQHLAR6MJ6VEU83

The project start date is the date on which first WTG was commissioned under the Project activity.

1.6 Project Crediting Period

Crediting Period Start date: 21-February -2014[2]
Crediting Period End date: 20-February-2024

The project activity adopts renewable crediting period of 10 years period which can be renewed for maximum 2 times.

1.7 Project Location

For Tamil Nadu

S.No.	Machine ID	Feeder Nos.	HTSC No.	Latitude	Longitude
1	KOO - 518	Feeder 9	DRA 001	10.695026 N	77.570779 E
2	KOO - 1359		DRA 003	10.688039 N	77.592838 E
3	APY - 241	Feeder 5	DRA 004	10.696430 N	77.655525 E
4	APY - 416		DRA 005	10.693031 N	77.653586 E
5	PAR - 9		DRA 006	10.678811 N	77.553641 E
6	PON - 534		DRA 008	10.676050 N	77.571935 E
7	PON - 1043		DRA 009	10.729955 N	77.576547 E
8	NAL-119	Feeder 2	DRA 012	10.652837 N	77.545505 E
9	NAL - 81	Feeder 5	DRA 013	10.664993 N	77.528386 E
10	NAL - 57		DRA 015	10.763263 N	77.625708 E
11	MAN - 210	Feeder 9	DRA 017	10.727352 N	77.585324 E
12	MAN - 898		DRA 018	10.713748 N	77.629144 E
13	MAN - 802		DRA 021	10.657353 N	77.553426 E
14	KON - 556	Feeder 4	DRA 022	10.650216 N	77.649013 E
15	KON - 563		DRA 023	10.699483 N	77.688256 E
16	KON - 590		DRA 024	10.684740 N	77.608212 E
17	KON - 640		DRA 025	10.738135 N	77.688168 E
18	KON - 658		DRA 026	10.670208 N	77.629071 E
19	KON - 621		DRA 027	10.667608 N	77.611546 E
20	KON - 501	Feeder 3	DRA 031	10.694380 N	77.634057 E
21	ALA - 1639	Feeder 8	DRA 043	10.665640 N	77.659623 E
22	ALA - 1946		DRA 044	10.663297 N	77.566886 E
23	NAL - 434	Feeder 6	DRA 049	10.648711 N	77.550586 E
24	KON - 234		DRA 054	10.658922 N	77.561651 E
25	PAR - 50	Feeder 5	DRA 007	10.737605 N	77.627596 E
26	MAN - 625	Feeder 3	DRA 032	10.662515 N	77.557552 E
27	MAN - 604	Feeder 2	DRA 033	10.644345 N	77.515043 E

[2]Start date of crediting period is 21/02/2014, as on this day 1st set of WTGs associated to the project activity starts its commercial operations. Accordingly end date of the crediting period is 20-February -2024

28	ALA-2301/2304	Feeder 8	DRA 046	10.720840 N	77.587169 E
29	ALA - 1569		DRA 047	10.759444 N	77.604996 E
30	ALA-2352		DRA 048	10.763189 N	77.616268 E
31	KOO - 1157	Feeder 2	DRA 002	10.669956 N	77.554773 E
32	PON – 1081		DRA 010	10.660363 N	77.617842 E
33	MAN - 940	Feeder 9	DRA 019	10.668934 N	77.569253 E
34	PON - 1565	Feeder 9	DRA 037	10.673908 N	77.529976 E
35	PON - 1568	Feeder 6	DRA 038	10.646536 N	77.555893 E
36	VEL - 1936	Feeder 8	DRA 039	10.677837 N	77.535691 E
37	ALA - 1618	Feeder 9	DRA 042	10.66492 N	77.547432 E
38	PON - 908	Feeder 8	DRA 050	10.718534 N	77.615573 E
39	PON - 1203	Feeder 6	DRA 052	10.71890 N	77.581396 E
40	MAN - 963	Feeder 7	DRA 055	10.683484 N	77.617876 E
41	PON - 1021	Feeder 2	DRA 011	10.773698 N	77.61412 E
42	KUL - 652	Feeder 5	DRA 014	10.68742 N	77.616146 E
43	PON - 4		DRA 016	10.692721 N	77.615369 E
44	MAN-828	Feeder 9	DRA 020	10.692721 N	77.615369 E
45	KON - 618	Feeder 3	DRA 028	10.710023 N	77.646516 E
46	KON-395		DRA 029	10.77361 N	77.639413 E
47	KON-451	Feeder 2	DRA 030	10.754682 N	77.62652 E
48	APA-84	Feeder 3	DRA 034	10.689743 N	77.610703 E
49	PUN-270		DRA 035	10.66565 N	77.517593 E
50	PUN - 34		DRA 036	10.673745 N	77.54778 E
51	VEL-1702	Feeder 9	DRA 040	10.681788 N	77.689854 E
52	KAL-93	Feeder 8	DRA 041	10.649539 N	77.51747 E
53	ALA-2290		DRA 045	10.654515 N	77.559157 E
54	PON - 775	Feeder 6	DRA 051	10.65057 N	77.580673 E
55	ALA - 2260		DRA 053	10.620784 N	77.564648 E
56	MET 1664	Feeder 7	DRA 065	10.630660 N	77.569115 E
57	NAL - 445		DRA 061	10.684400 N	77.563052 E
58	KOO-1036	Feeder 6	DRA 056	10.667224 N	77.539641 E
59	VEL-1540		DRA 060	10.683467 N	77.536761 E
60	KOO-1174	Feeder 7	DRA 058	10.677765 N	77.616831 E
61	KOO-1000	Feeder 7	DRA 057	10.714956 N	77.67510 E
62	PON-1304		DRA 059	10.659904 N	77.651955 E
63	APY-247		DRA 064	10.656300 N	77.62939 E
64	KON-411		DRA 67	10.765864 N	77.633324 E
65	KOO - 581		DRA 062	10.709670 N	77.627337 E
66	VEL - 2119		DRA 063	10.753168 N	77.683129 E
67	ALA 1385		DRA 066	10.762752 N	77.680226 E

For Andhra Pradesh

S. No.	Feeder Nos.	Location No.	Latitude	Longitude
1	Feeder 1	508	15.154461 N	77.922135 E
2		510	15.157268 N	77.921522 E

3		511	15.158979 N	77.923322 E
4		513	15.161872 N	77.923761 E
5		514	15.163549 N	77.923292 E
6		515	15.165388 N	77.922815 E
7		516	15.166574 N	77.921892 E
8		517	15.167997 N	77.920787 E
9		518	15.16929 N	77.919977 E
10		519	15.170968 N	77.918066 E
11		520	15.172449 N	77.918783 E
12	Feeder 2	528	15.185218 N	77.923655 E
13		529	15.186921 N	77.923976 E
14		530	15.189489 N	77.925118 E
15		531	15.190881 N	77.925026 E
16	Feeder 3	532	15.206692 N	77.937622 E
17		533	15.208101 N	77.938972 E
18		534	15.209818 N	77.940958 E
19		535	15.211871 N	77.942781 E
20		536	15.215178 N	77.947515 E
21		537	15.216917 N	77.949166 E
22		538	15.218416 N	77.950564 E
23		539	15.221591 N	77.953603 E
24		540	15.225099 N	77.957372 E
25		541	15.226569 N	77.958248 E
26		542	15.228387 N	77.959399 E
27		543	15.229998 N	77.960501 E
28		545	15.223820 N	77.956471 E
29	Feeder 3	546	15.213598 N	77.946804 E
30		547	15.204944 N	77.93730 E
31	Feeder 2	551	15.188055 N	77.924987 E
32	Feeder 1	509	15.155886 N	77.920862 E
33		512	15.160386 N	77.923416 E
34	Feeder 2	521	15.174326 N	77.91959 E
35		522	15.175897 N	77.92030 E
36		523	15.177475 N	77.921177 E
37		524	15.179081 N	77.921943 E
38		525	15.180875 N	77.922916 E
39		526	15.182457 N	77.923515 E
40		527	15.183845 N	77.923022 E
41	Feeder 3	544	15.231485 N	77.961368 E
42		548	15.202938 N	77.936743 E
43		549	15.201556 N	77.936035 E

44	**Feeder 2**	550	15.192441 N	77.927995 E

For Karnataka

S.No.	Feeder Nos.	Machine ID	Latitude (N)	Longitude (E)
1	**Feeder 01**	MVKPL_01-03	17° 09' 49.3"	75° 43' 2.6"
2		MVKPL_01-04	17° 09' 37.1"	75° 43' 1.5"
3		MVKPL_01-05	17° 09' 31.4"	75° 43' 1.1"
4		MVKPL_01-06	17° 9' 29.4"	75° 43' 18.8"
5		MVKPL_01-07	17° 9' 24.3"	75° 43' 21.4"
6		MVKPL_01-08	17° 9' 16.6"	75° 43' 26.9"
7		MVKPL_01-09	17° 09' 11.2"	75° 43' 28.3"
8		MVKPL_01-10	17° 9' 3.6"	75° 44' 26.9"
9		MVKPL_01-11	17° 8' 59.1"	75° 44' 31"
10		MVKPL_01-12	17° 8' 51.9"	75° 44' 34.5"
11		MVKPL_01-13	17° 8' 38.9"	75° 44' 20.9"
12		MVKPL_01-14	17° 8' 34.3"	75° 44' 26.1"
13		MVKPL_01-15	17° 8' 26.2"	75° 44' 26.7"
14	**Feeder 2**	MVKPL_02-01	17° 09' 02.4"	75° 42' 49.2"
15		MVKPL_02-02	17° 08' 57.4"	75° 42' 44.3"
16		MVKPL_02-03	17° 08' 51.0"	75° 42' 39.8"
17		MVKPL_02-04	17° 08' 52.5"	75° 42' 31.9"
18		MVKPL_02-05	17° 08' 45.7"	75° 42' 41.7"
19		MVKPL_02-06	17° 08' 36.2"	75° 42' 37.6"
20		MVKPL_02-07	17° 08' 31.4"	75° 42' 31.1"
21		MVKPL_02-08	17° 08' 22.3"	75° 42' 23.2"
22		MVKPL_02-09	17° 08' 20.5"	75° 42' 46.8"
23		MVKPL_02-10	17° 08' 40.9"	75° 42' 53.7"
24		MVKPL_02-11	17° 08' 35.6"	75° 42' 59"
25		MVKPL_02-12	17° 08' 29.4"	75° 42' 59.9"
26		MVKPL_02-13	17° 08' 22.0"	75° 43' 00.1"
27		MVKPL_02-14	17° 08' 12.4"	75° 43' 03.0"
28		MVKPL_02-15	17° 08' 06.8"	75° 43' 04.7"
29		MVKPL_02-16	17° 08' 17.9"	75° 44' 29.8"
30		MVKPL_02-17	17° 07' 59.4"	75° 43' 53.5"
31		MVKPL_02-18	17° 07' 53.6"	75° 43' 50.9"
32		MVKPL_02-19	17° 07' 49.5"	75° 43' 36.0"
33		MVKPL_02-20	17° 07' 24.0"	75° 44' 02.4"
34	**Feeder 3**	MVKPL_03-01	17° 07' 03.4"	75° 41' 51.5"
35		MVKPL_03-02	17° 07' 10.6"	75° 42' 08.1"

36		MVKPL_03-03	17° 07' 52.0"	75° 42' 09.8"
37		MVKPL_03-04	17° 07' 03.2"	75° 42' 21.6"
38		MVKPL_03-05	17° 07' 29.2"	75° 42' 37.1"
39		MVKPL_03-06	17° 07' 44.7"	75° 43' 03.3"
40		MVKPL_03-07	17° 07' 48.5"	75° 42' 58.7"
41		MVKPL_03-08	17° 07' 18.6"	75° 43' 03.0"
42		MVKPL_03-09	17° 07' 11.3"	75° 43' 01.4"
43		MVKPL_03-10	17° 07' 04.4"	75° 42' 57.3"
44		MVKPL_03-11	17° 06' 58.5"	75° 42' 58.1"
45		MVKPL_03-12	17° 07' 34.2"	75° 43' 37.7"
46		MVKPL_03-13	17° 07' 18.1"	75° 43' 24.2"
47		MVKPL_03-14	17° 07' 12.3"	75° 43' 25.2"
48		MVKPL_03-15	17° 07' 06.2"	75° 43' 36.3"
49		MVKPL_03-16	17° 06' 51.9"	75° 42' 0.1"
50		MVKPL_03-17	17° 6' 46.2"	75° 43' 59.9"
51		MVKPL_03-18	17° 06' 37.9"	75° 43' 55.5"
52		MVKPL_03-19	17° 06' 31.1"	75° 43' 49.7"
53	**Feeder 4**	MVKPL_04-01	17° 06' 35.1"	75° 42' 52.8"
54		MVKPL_04-02	17° 06' 01.9"	75° 42' 29.4"
55		MVKPL_04-03	17° 05' 54.7"	75° 42' 21.6"
56		MVKPL_04-04	17° 05' 51.3"	75° 42' 46.6"
57		MVKPL_04-05	17° 05' 46.4"	75° 42' 41.3"
58		MVKPL_04-06	17° 05'39.9"	75° 42' 41.6"
59		MVKPL_04-07	17° 06' 35.9"	75° 43' 23.6"
60		MVKPL_04-08	17° 06' 28.8"	75° 43' 24.4"
61		MVKPL_04-09	17° 06' 23.9"	75° 43' 47.1"
62		MVKPL_04-10	17° 06' 15.6"	75° 43' 39.4"
63		MVKPL_04-11	17° 05' 59.5"	75° 43' 31.8"
64		MVKPL_04-12	17° 05' 27.3"	75° 43' 30.0"
65		MVKPL_04-13	17° 06' 04.5"	75° 43' 55.5"
66		MVKPL_04-14	17° 05' 59.0"	75° 43' 54.1"
67		MVKPL_04-15	17° 05' 51.0"	75° 43' 53.2"
68		MVKPL_04-16	17° 05' 38.9"	75° 43' 45.7"
69		MVKPL_04-17	17°05' 30.6"	75° 43' 49.0"
70		MVKPL_04-18	17° 06' 02.7"	75° 44' 32.2"
71		MVKPL_04-19	17° 05' 53.1"	75° 44' 20.5"
72		MVKPL_04-20	17° 05' 48.0"	75° 44' 11.2"
73		MVKPL_04-21	17° 05' 42.7"	75° 44' 20.2"

74	**Feeder 5**	MVKPL_05-01	17° 05' 54.8"	75° 40' 38.6"E
75		MVKPL_05-02	17° 05' 49.1"	75° 40' 40.6"
76		MVKPL_05-03	17° 05' 43.2"	75° 40' 40"
77		MVKPL_05-04	17° 05' 37.5"	75° 40' 39.2"
78		MVKPL_05-05	17° 05' 31.7"	75° 40' 38.1"
79		MVKPL_05-06	17° 5' 26.1"	75° 40' 34"
80		MVKPL_05-07	17° 05' 20.1"	75° 40' 30.9"
81		MVKPL_05-08	17° 05' 13.9"	75° 40' 32.7"
82		MVKPL_05-09	17° 05' 44.4"	75° 41' 52.6"
83		MVKPL_05-10	17° 05' 29.6"	75° 41' 42.6"
84		MVKPL_05-11	17° 05' 25.2"	75° 41' 26.4"
85		MVKPL_05-12	17° 05' 23.1"	75° 41' 49"
86		MVKPL_05-13	17° 05' 16.5"	75° 41' 48"
87		MVKPL_05-14	17° 05' 12.5"	75° 41' 59.3"
88		MVKPL_05-15	17° 05' 3.4"	75° 41' 57.6"
89		MVKPL_05-16	17° 05' 52.3"	75° 41' 36.9"
90		MVKPL_05-17	17° 05' 45.3"	75° 41' 33"
91		MVKPL_05-18	17° 05' 34.7"	75° 41' 32.7"
92	**Feeder 6**	MVKPL_06-01	17° 04' 51.4"	75° 42' 53.2"
93		MVKPL_06-02	17° 04' 43.4"	75° 42' 58.2"
94		MVKPL_06-03	17° 04' 31.8"	75° 43' 01.3"
95		MVKPL_06-04	17° 04' 25.3"	75° 43' 0.4"
96		MVKPL_06-05	17° 05' 9.3"	75° 43' 42.7"
97		MVKPL_06-06	17° 05' 5.6"	75° 43' 49.8"
98		MVKPL_06-07	17° 04' 53"	75° 43' 54.7"
99		MVKPL_06-08	17° 04' 45.3"	75° 44' 0.8"
100		MVKPL_06-09	17° 04' 28"	75° 44' 9.1"
101		MVKPL_06-10	17° 04' 20.3"	75°44'12.4"
102		MVKPL_06-11	17° 04' 12.7"	75° 44' 13.8"
103		MVKPL_06-12	17° 03' 48.9"	75° 44' 23.9"
104		MVKPL_06-13	17° 03' 55.5"	75° 44' 22.7"
105		MVKPL_06-14	17° 04' 57.8"	75° 42' 49.1"
106		MVKPL_06-15	17° 04' 9.1"	75° 44' 22.6"
107		MVKPL_06-16	17° 04' 5.2"	75° 43' 45.8"
108		MVKPL_06-17	17° 04' 1.3"	75° 45' 0"
109		MVKPL_06-18	17° 03' 41.6"	75° 44' 49.5"
110		MVKPL_06-19	17° 03' 55"	75° 43' 44.1"
111		MVKPL_06-20	17° 03' 44.1"	75° 44' 49"

112		MVKPL_06-21	17° 03' 50.6"	75° 44' 48.9"

1.8 Title and Reference of Methodology

Methodology: ACM0002: Grid-connected electricity generation from renewable sources — Version 16.0, Sectoral Scope: 01, EB 81, Annex 9
https://cdm.unfccc.int/methodologies/DB/EY2CL7RTEHRC9V6YQHLAR6MJ6VEU83

The project activity also takes reference from following Tools from the tools prescribed by applied methodology:

1. **Tool for the demonstration and assessment of additionality** — Version 07.0.0, EB 70, Annex8, https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-01-v7.0.0.pdf
2. **Tool to calculate the emission factor for an electricity system** — Version 05.0, EB 87, Annex 09, https://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v5.0.pdf

1.9 Participation under other GHG Programs

The PP has not participated under any other GHG program with this project activity

1.10 Other Forms of Credit

Emission Trading Programs and Other Binding Limits: The PP has not applied this project in any Emission Trading Programs and other Binding Limits.

Other Forms of Environmental Credit: The PP has not applied this project in any other form of environmental credits other than Tamil Nadu 45 MW WTGs. The electricity generated from 45 MW REC component of Tamil Nadu are not included for VCU calculations to avoid any double accounting. The HTSC numbers DRA 01,03,04,05,06,07,08,09,12,13,15,17,18,21,22,23,24,25,26,27,31,32,33,43,44,46,47,48,49,54 (TOTAL 30 WTGs of 1.5 MW from Tamil Nadu site) are availing REC. Thus electricity generated from these WTGs having REC component are not considered for VCU calculations for current complete monitoring period.

1.11 Sustainable Development

Contribution to sustainable development:

Ministry of Environment and Forests, has stipulated economic, social, environment and technological well-being as the four indicators of sustainable development. The project contributes to sustainable development using the following ways.

- **Social well-being:** The project would help in generating employment opportunities during the construction and operation phases. The project activity leads to development in infrastructure in the region like development of roads and also may promote business with improved power generation.

- **Economic well-being:** The project is a clean technology investment in the region, which would not have been taken place in the absence of the VCS benefits the project activity also helps to reduce the demand supply gap in the state.
- **Technological well-being:** The successful operation of project activity would lead to promotion of wind based power generation and would encourage other entrepreneurs to participate in similar projects.
- **Environmental well-being**: The project activity being a renewable source of energy, it reduces the dependence on fossil fuels and conserves natural resources which are on the verge of depletion. Due to its zero emission the project activity also helps in avoiding significant amount of GHG emissions. The project activity generates power using zero emissions wind based power generation which helps to reduce GHG emissions and specific pollutants like SOx, NOx, and SPM associated with the conventional thermal power generation facilities.

2 SAFEGUARDS

2.1 No Net Harm

The project does not involve any potential negative environmental and socio economic impacts and hence this criteria is not applicable to this project activity.

2.2 Local Stakeholder Consultation

The stakeholders identified for the project were: the usual occupants of the villages around and the local communities, NGOs, governmental agencies, employees, contractors. Local population is considered to be a major stakeholder with respect to the project activity. The stakeholders of the project activity were invited to attend the stakeholder meeting. Personal invitations were also sent to the prominent members (villagers, local community people) of the regions in the vicinity.

A discussion was held in which the views of the local stakeholders were addressed. The stakeholder meeting was organised at all of the three locations i.e Burgula, Salvasang and Vagarai on the dates given below at the time of validation of this project activity.

Tamil Nadu	
Date of Invitation	Meeting date
10-October-2012	23-October-2012
	24-October-2012
	25-October-2012
Andhra Pradesh	
Date of Invitation	Meeting date
12-April-2013	22-April-2013

Karnataka	
Date of Invitation	Meeting date
11-April-2013	21-April-2013

Representative of the project proponent explained the purpose of the meeting and detailed each questions in the questionnaire. He further explained about the advantages of the wind energy generation and explained how the project would help in reducing demand supply gap in environment friendly manner.

According to the feedback received from the stakeholders, due to the erection of wind farms the socioeconomic situation in the area and the village people's living standard has been improved. It has not only provided employment but also significantly contributed to the infrastructure development likes roads. Local Stakeholder consultation had been carried out during VCS registration of this project activity. There were no comments that required follow up action from PP.

The PP also placed a grievance register onsite in where the stakeholder can put down his/her complain and the same if found genuine will be addressed immediately. During the current monitoring period, no negative comments are received from the local stakeholders. Thus, no any mitigations has been applied.

2.3 AFOLU-Specific Safeguards

Not required as this is a non-AFOLU project activity.

3 IMPLEMENTATION STATUS

3.1 Implementation Status of the Project Activity

The Project Activity envisages implementation of a 233.1 MW wind power project consisting of 156 Wind Electric Generators (WEGs) of individual capacity 0.85 MW in Andhra Pradesh and Karnataka state of India by Mytrah Vayu Krishna Private Limited. And another 67 Wind Electric Generators of individual capacity 1.5 MW in Tamil Nadu state of India by Mytrah Vayu (Majira) Private Limited. All the 223 Wind Electric Generators (WEGs) which are part of the project activity are commissioned.

The project has been under operation since commissioning without any major breakdowns. Though normal breakdowns due to O&M measures are continuously being worked upon by the dedicated O&M contractor for the projects WEGs. There has been no event that may have an impact on the GHG emissions or removals during the current monitoring period.

Further, there are no changes to the project participant for the project activity during the monitoring period.

3.2 Deviations

2.3.1 Methodology Deviations

There has not been any methodology deviation during the aforesaid monitoring period.

2.3.2 Project Description Deviations

The below deviation is requested for project activity

1. This project Tamilnadu site WTGs are under group captive since commissioning. To meet group captive consumers annual energy requirement, banking is done during high wind season ((i.e., from June to Oct) and then those units will get utilize in low wind season (ie. from Nov to Mar). Due to this process electricity in invoice is different than JMR and can not be consistent and not appropriate to compare or to take lower values as conservative approach. Also TANGEDCO will deduct Transmission & Distribution loss in generating end while doing the energy allocation. This T&D loss will vary based on consumer drawal voltage (3.06%, 4.24%. Due to above reason, the comparison of JMR and invoices value for Tamilnadu Site (Vagarai) is not appropriate as there is adjustment of electricity due to banking as explained above. Thus PP is considering the JMR value for net electricity supplied to grid and for emission reduction calculations. There is no cross check possible due to difference in JMR and invoice values due to banking for Tamilnadu site, hence only JMR value is considered for ER calculations. State electricity board is doing adjustment in invoice based on JMR value. Hence month wise JMR and invoice is not matching. Since JMRs are issued by state electricity board and authentic, JMR values are considered for ER calculations. There is no material impact on ER calculations as primary source of data are correctly applied for ER calculations.

3.3 Grouped Projects

The project is not a grouped project.

4 DATA AND PARAMETERS

4.1 Data and Parameters Available at Validation

Data / Parameter	$EF_{grid,OM,y}$
Data unit	tCO_2/MWh
Description	Operating Margin CO_2 emission factor in year y
Source of data	Calculated from CEA database, Version 10, December 2014
Value applied	0.9887
Justification of choice of	Calculated as per “Tool to calculate the emission factor for an

data or description of measurement methods and procedures applied	electricity system, version 05.0" as 3-year generation weighted average using data for the years 2011-2012, 2012-2013 & 2013- 2014. The data are obtained from "CO2 Baseline Database for Indian Power Sector" version 10.0, published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of Data	For the calculation of the Baseline Emission
Comments	This parameter is fixed ex-ante for the entire crediting period.

Data / Parameter	$EF_{grid,BM,y}$
Data unit	tCO_2/MWh
Description	Build Margin CO2 emission factor in year y
Source of data	Calculated from CEA database, Version 10, December 2014
Value applied	0.9609
Justification of choice of data or description of measurement methods and procedures applied	Calculated as per "Tool to calculate the emission factor for an electricity system, version 05.0" for the year 2013-2014. The data is obtained from "CO_2 Baseline Database for Indian Power Sector" version 10.0, published by the Central Electricity Authority, Ministry of Power, Government of India.
Purpose of Data	For the calculation of the Baseline Emission
Comments	This parameter is fixed ex-ante for the entire crediting period.

Data / Parameter	$EF_{grid,CM,y}$
Data unit	tCO_2/MWh
Description	Combines Margin CO_2 emission factor in year y
Source of data	Calculated from CEA database, Version 10, December 2014
Value applied	0.9817
Justification of choice of data or description of measurement methods and procedures applied	The combined margin emissions factor is calculated as follows: $EF_{grid,CM,y} = EF_{grid,OM,y} * W_{OM} + EF_{grid,BM,y} * W_{BM}$ Where: $EF_{grid,BM,y}$ = Build margin CO_2 emission factor in year *y* (tCO_2/MWh) $EF_{grid,OM,y}$ = Operating margin CO_2 emission factor in year *y* (tCO_2/MWh) W_{OM} = Weighting of operating margin emissions factor (%) = 75% W_{BM}= Weighting of build margin emissions factor (%) = 25%
Purpose of Data	For the calculation of the Baseline Emission

Comments	This parameter is fixed ex-ante for the entire crediting period.

4.2 Data and Parameters Monitored

Data / Parameter	$EG_{PJ,y}$
Data unit	MWh
Description	Quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid in year y
Source of data	Credit note/ JMR/Form B reports from respective state electricity board
Description of measurement methods and procedures to be applied	Quantity of net electricity generation supplied by the project (Wind) plant/unit to the grid in year y $EG_{PJ,y} = EG_{BLKNy} + EG_{BLTNy} + EG_{BLAPy}$ Where, $EG_{BLKNy} = EG_{Export,KN} - 115\% * EG_{Import} -$ Transmission Loss ($T_{E,KN}$) $EG_{BLTNy} = EG_{Export} - EG_{Import}$ $EG_{BLAPy} = EG_{Export} - EG_{Import}$ The value of net electricity generation supplied to the grid as per Monthly electricity form B /Credit Note or Joint Meter Reading Report forms the basis for calculation of the emission reductions; which can be cross checked from the invoice raised to DISCOM &Adjustment reports (in case of captive utility). Net electricity supplied to is calculated as the difference of the measured values of "export" and "import" of electricity through the dedicated SEB energy meter installed at the delivery point. Monthly meter readings are taken from the main and check meter installed at metering point and certified by the representatives of SEB Officials and the representatives of the project proponent for apportioning procedure refer section 3.3
Frequency of monitoring/recording	Continuous monitoring, hourly measurement and at least monthly recording
Value monitored	171,511
Monitoring equipment	Monitoring: Tri vector meter is used Data type: Measured Type of meter: Static type meter (Main & Check). Both are Bidirectional meters. Class of meter: 0.2s.
QA/QC procedures to be applied	The calibration of all the meters is undertaken at required intervals and faulty meters are duly replaced immediately. The meters are of accuracy class 0.2. The meter accuracy class and calibration interval is under purview of state electricity board and PP does not have any control on it. It is also noted that

	apportioning procedure is under control of state electricity board and PP do not have any control on it. The available parameter to PP is the net electricity supplied to grid and same parameter is mentioned as monitoring parameter The Net electricity exported to the grid is cross checked against the invoice raised by the PP towards the DISCOM and Adjustment Reports in case of captive consumption. For Tamilnadi site, being group captive consumption banking of electricity is done, hence JMR value is considered for ER calculations as per deviation request mentioned in section 2.3.2 of PDD.
Purpose of the data	Calculation of Baseline emissions
Calculation method	-
Comments	The data would be archived electronically and maintained for the entire crediting period plus two years.

4.3 Monitoring Plan

Aim of monitoring:

The monitoring procedure sets guidelines for the project investor to monitor the parameters regularly and to ensure quality and accuracy in monitoring. It elaborates on the functions of the monitoring team and procedures to be followed in monitoring of the CDM parameters.

The monitoring shall include all the equipment's that contribute towards reduction in GHG emissions. Since the project activity focuses mainly on the generation of renewable power from the WTGs, it is important to monitor all the equipment's involved in the metering of all the necessary instruments.

The monitoring plan has been prepared in accordance with the applied methodology, ACM002 Version 16.0. The project investor has a well-defined management structure for monitoring the project activity.

Monitoring Plan at Karnataka

The main parameter to be monitored for a wind project is the Quantity of net electricity supplied to the grid as a result of the implementation of the CDM project activity in year y. The parameter is measured as electricity export, import and transmission loss, which was issued by BESCOM officials and recorded in the B-Form and issued monthly to the project proponent. These monthly reports for the entire monitoring period form the basis to report the emission reductions achieved due to the project activity. The project proponent in turn raises the invoices to the BESCOM for the electricity supplied to the grid. The electricity is measured by two way energy meters of an accuracy class of 0.2 which are calibrated periodically by officials from the BESCOM/KPTCL

The procedure for calculation of transmission loss as given in the PPA is set-out below:

Z = ((X1+X2+X3…+Xn)-Y)/((X1+X2+X3…+Xn)) x 100
Z = Percentage transmission loss for export incurred in transmission line between the meter located at 33 kV metering point and the meters located at bulk 220 metering point (bulk meter: main and check) high voltage side of receiving sub-station.

Xi = Energy Export Reading of energy meter installed at 33 kV metering point
Y = Energy Export Reading at bulk meter installed at high voltage side of transformer of the receiving station220kV.
X1, X2, X3,…Xn are the meters that are installed at 33kV metering point and are connected to the receiving substation by internally connected lines to the receiving station.

The Export Reading Xi is adjusted for transmission loss that is determined by the state utility and is applied directly to the JMR (Form B) taken at 33 kV metering point. This can be checked from the JMR signed jointly by the representatives of PP and the state utility.

Transmission Loss in Export (TE) = Percentage Transmission Loss (Z) * Energy Export at 33kV metering point ($EG_{Export,KN}$)
Empirical Formula for Energy Export after adjustment of transmission loss (Equation 1)

Net Energy Export after adjustment of transmission loss = $EG_{Export,}$ – TE

The transmission loss in export is generally less than 5%. However in case of Energy Import, the state utility conservatively applies adjustment of 15% to the import values noted at 33 kV metering point

Transmission Loss in Import (TI) = 15% * Energy Import at 33kV metering point ($EG_{Import,KN}$)

Empirical Formula for Energy Import after adjustment of transmission loss (Equation 2)

Net Energy Import after adjustment of transmission loss = EGImport+15%*EG_{Import}
= 115%* EG_{import}

Therefore Energy Supplied to Grid after adjustment of transmission loss is difference of equation 1 and 2 as given in the Form B signed jointly by representatives of PP and the state utility.

$EG_{BL,KN,y}$ = EG– 115%*EG– Transmission Loss ($T_{E,KN}$)

The Joint meter reading noted at 33 KV metering location contains the following data:-

1. Electricity Export ($EG_{Export,KN}$)
2. Electricity Import ($EG_{Import,KN}$)
3. Transmission Loss (TE,KN) between 33 kV metering point and 220 kVmetering point
4. Net Electricity supplied to the Grid [$EG_{BL,KN,y}$= $EG_{Export,KN}$-115%* $EGI_{mport,KN}$–$TE_{,KN}$]

Form B is signed by the representatives of PP and the state utility. The net electricity supplied to the grid can be cross checked from the invoices raised on the state utility for supply of net electricity supplied to the grid.

Monitoring Plan at Tamil Nadu

Reading of net electricity imports & export is taken at the metering point of TNEB, located at yard approximately 5 to 7 meters from the WTG. Each WTG has its individual EB meter, installed by the SEB. Hence, T & D losses are considered between WTG and TNEB meter.

The import & export figure at WTG controller is recorded in the logbooks (manual / electronic) of the O&M contractor / Investors representative on a daily basis. This data ispreserved both in paper & electronic form. The summary of the generation is submitted by the O&M contractor / Investors representative to the investor on the monthly basis.

The TNEB meter is the main source for monitoring net export to the grid. On mutually decided / SEB official availability date of each month, the reading from the TNEB meter is recorded by the engineers of the SEB in presence of the O & M contractor/ Investors representative. Subsequently the Tamil Nadu Electricity Board statements is prepared.

A monthly statement is issued by the State Utility every month to the Project investor against sale of power. Based on the monthly sale of power, invoice is raised to TNEB.

QA/QC procedures:

Energy meters are calibrated once in a five year and faulty meters are duly replaced immediately. The entire responsibility of this task lies with the state utility. The meters have an accuracy class of at least 0.5s. TNEB has an on-site testing & calibration arrangement; hence there is no need to dismantle the meter for calibration. In case the meters are found faulty and hard to calibrate against the prescribed accuracy class the meter is replaced by the state utility.

If during any of monthly measurement, main meter is found to be beyond permissible limit of error, then meter shall be calibrated immediately & the correction factor applicable for the main meter shall be used for energy computation at time of such test checks. For the period thereafter the measurement shall be continued in accordance with the calibrated main meter.

Data Management and Data Archiving:

Copies of the break-up sheet, invoices raised on Discom and sales receipts are retained and archived for the entire crediting period plus two years by the project investor.

Procedures for Data Adjustments / Uncertainties:

Data uncertainties are likely under following conditions:

- In case of error in TNEB meter
- When records are lost

If during any of monthly measurement, main meter is found to be beyond permissible limit of error, then meter shall be calibrated immediately & the correction factor applicable for the main meter shall be used for energy computation at time of such test checks. For the period thereafter the measurement shall be continued in accordance with the calibrated main meter. When records are lost, the Tamil Nadu Electricity Board Statements will be used as reference.

When records are lost, the Tamil Nadu Electricity Board Statements will be used as reference.

Meter calibration: The meters are tested for accuracy and calibration of the meters is taken care of, following the applicable guidance. As per the national guidelines given by CEA, electricity meters have to be calibrated once in every 5 years,

Hence the meters are scheduled to be calibrated at least once in every five years.[3]

Calculation method

The generated electricity is exported to TNEB grid and the exported electricity is measured by the TNEB energy meter. Representative Officer from Tamil Nadu Electricity Board (TNEB) prepares and provides the TNEB Statement. Once in a month, the designated person takes the TNEB energy meter readings and records the initial and final readings for Export and Import. The difference between the initial and final readings gives net export and net import. The difference between the net export and net import is recorded as Net Generation.

Net exports for Tamil Nadu $EG_{BL,TN,y} = EG_{Export} - EG_{Import}$

Monitoring Plan at Andhra Pradesh

Metering system and monitoring plan:

- The reading is taken at the individual WEG end by the technology operator on site.
- A Joint Meter Reading shall be taken by the representatives of PP and APTRANSCO at the high voltage side of the step up transformer installed at the substation at a particular date.
- In case the main metering system is not in service, then the check metering system shall be used until the main system is back to service.
- Meter reading would be jointly signed by both the representatives.
- The main and the check metering systems shall be sealed in presence of representatives of Power producers, and APTRANSCO.
- When any of these metering systems is found to be outside acceptable limits of accuracy or otherwise not functioning properly, it shall be repaired, recalibrated or replaced.

[3] http://www.cea.nic.in/reports/regulation/meter_reg.pdf

- PP raises a monthly energy bill/statement based on the JMR at the end of each calendar month and the payment by State Electricity Board is done on this basis. The billing and payment records are maintained by the PP.
- Calibration and Testing of Meters are done once in 5 years.

Calculation of data:

Net exports for Andhra Pradesh $EG_{BL, AP,y}$= EG_{Export} – EG_{Import}

QA and QC Procedures

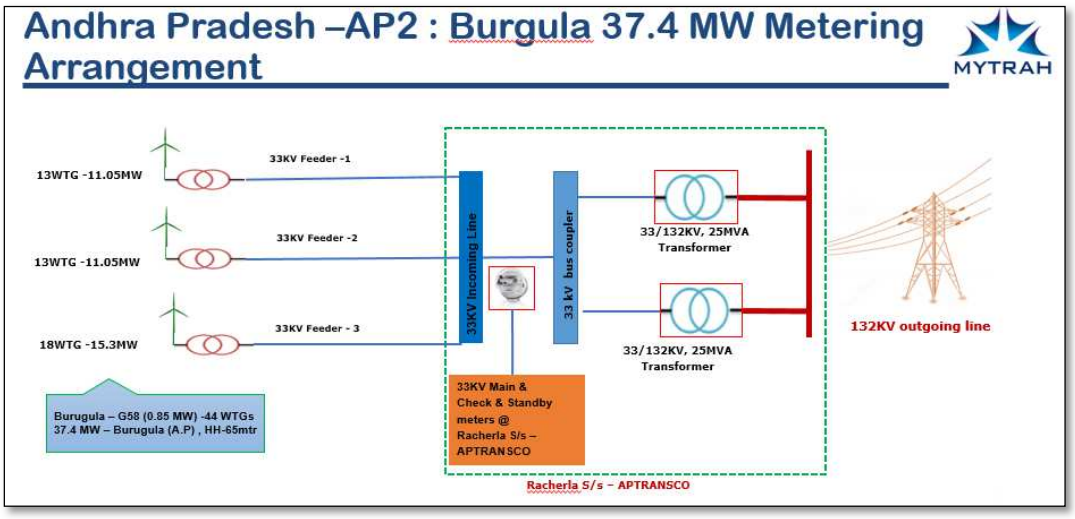
The electricity meter with accuracy class 0.2s at substation end (i.e. one main and one check meter) are installed.

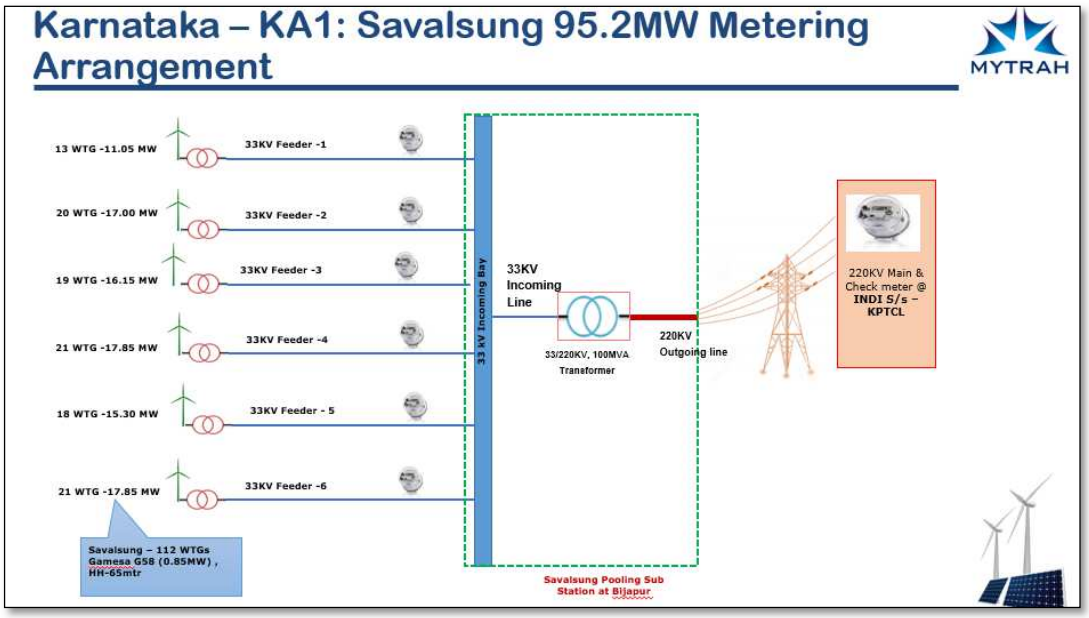
Data Storage and Archiving All the data items monitored under the monitoring plan will be kept for 2 years after the end of crediting period or till the last issuance of CERs for this project activity, whichever occurs later. The data will be archived both electronically and manually, and kept in safe storage by PP.

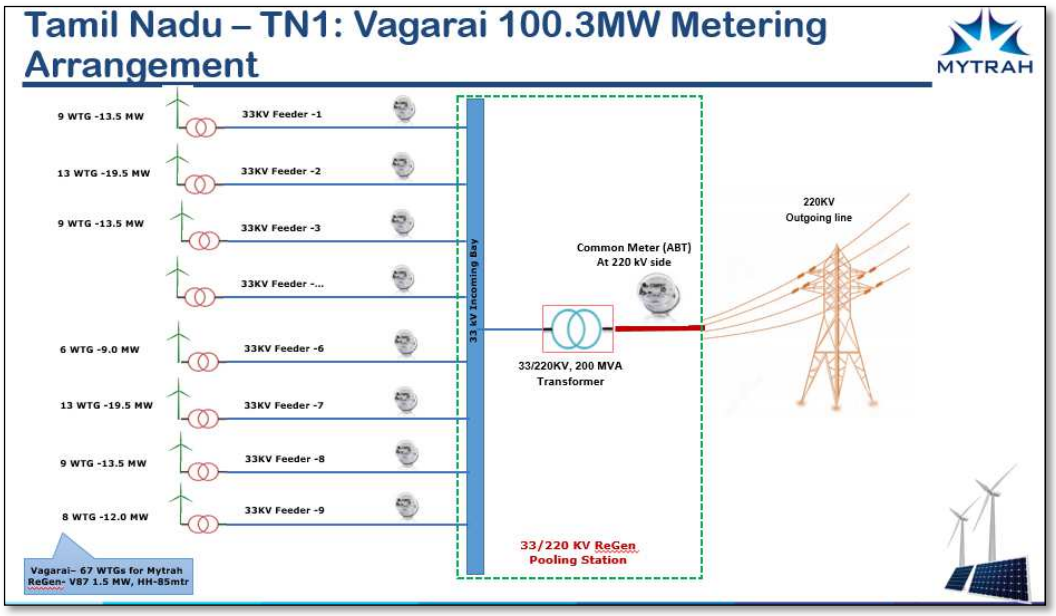
In the event when the individual verification period dates and billing cycle dates of the various WTGs in the project activity do not coincide, then the monitoring procedure will be as-

X	:	Sum of generation during partial days of the month recorded at controller meter (kwh) source – Electronic / Manual Log Book
Y	:	Total generation during the month recorded at controller meter (kwh/month)
Z = X/ Y	:	Ratio
B	:	Net Energy export by the WTG as per Monthly Report on Generation and Consumption
Z*B	:	Generation of partial days for calculating emission reduction (kwh)

Metering Arrangements at respective project sites:


Andhra Pradesh –AP2 : Burgula 37.4 MW Metering Arrangement
MYTRAH
13WTG -11.05MW
33KV Feeder -1
13WTG -11.05MW
33KV Feeder -2
18WTG -15.3MW
33KV Feeder - 3
Burugula – G58 (0.85 MW) -44 WTGs
37.4 MW – Burugula (A.P) , HH-65mtr
33KV Incoming Line
33 kV bus coupler
33/132KV, 25MVA Transformer
33/132KV, 25MVA Transformer
33KV Main & Check & Standby meters @ Racherla S/s – APTRANSCO
132KV outgoing line
Racherla S/s – APTRANSCO


Karnataka – KA1: Savalsung 95.2MW Metering Arrangement
MYTRAH
13 WTG -11.05 MW
33KV Feeder -1
20 WTG -17.00 MW
33KV Feeder -2
19 WTG -16.15 MW
33KV Feeder -3
21 WTG -17.85 MW
33KV Feeder -4
18 WTG -15.30 MW
33KV Feeder - 5
21 WTG -17.85 MW
33KV Feeder -6
Savalsung – 112 WTGs Gamesa G58 (0.85MW) , HH-65mtr
33 kV Incoming Bay
33KV Incoming Line
33/220KV, 100MVA Transformer
220KV Outgoing line
220KV Main & Check meter @ INDI S/s – KPTCL
Savalsung Pooling Sub Station at Bijapur



5 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

5.1 Baseline Emissions

As per para 46 of ACM0002 version 16.0, Baseline emissions include only CO_2 emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity. The methodology assumes that all project electricity generation above baseline levels would have been generated by existing grid-connected power plants and the addition of new grid-connected power plants. The baseline emissions are to be calculated as follows:

$$\mathbf{BEy = EG_{PJ,y} * EF_{grid,CM,y}}$$

Where:

$\mathbf{BE_y}$= Baseline emissions in year y (tCO_2)

$\mathbf{EG_{PJ,y}}$ = Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the VCS project activity in year y (MWh/yr)

$\mathbf{EF_{grid,CM,y}}$ = Combined margin CO_2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO_2/MWh)

Baseline Emissions

As per the equation 7 of the methodology ACM 0002 (Version 16.0),

$$BE_y = EG_{PJ,\,y} * EF_{grid,\,CM,\,y} \quad (1)$$

Where:

BE_y	:	Baseline emissions in year y (tCO_2e/yr)
$EG_{PJ,\,y}$	:	Quantity of net electricity generation that is produced and fed into the grid as a result of the implementation of the CDM project activity in year y (MWh/yr)
$EF_{grid,\,CM,\,y}$	:	Combined margin CO_2 emission factor for grid connected power generation in year y calculated using the latest version of the "Tool to calculate the emission factor for an electricity system" (tCO_2e/MWh)

Thus, $BE_y = EG_{PJ,\,y} * EF_{grid,\,CM,\,y}$

$EG_{PJ,\,y}$	=	**171,511 MWh**
$EF_{grid,\,CM,\,y}$	=	**0.9817 tCO_{2e}**
BE_y	=	**171,511 * 0.9817**
	=	**168,371 tCO_{2e} (Round down value)**

5.2 Project Emissions

The project activity involves in harnessing wind power. So the emissions from the project are zero.

5.3 Leakage

No leakage emissions have been considered and hence the leakage emission is zero.

5.4 Net GHG Emission Reductions and Removals

As per equation number (13) of the applied methodology, emission reductions are calculated as follows:

$$ER_y = BE_y - PE_y \quad (7)$$

Where:

ER_y	:	Emission reductions in year y (tCO_2e/yr)
BE_y	:	Baseline emissions in year y (tCO_2e/yr)
PE_y	:	Project emissions in year y (tCO_2e/yr)

Year	Baseline emissions or removals (tCO_2e)	Project emissions or removals (tCO_2e)	Leakage emissions (tCO_2e)	Net GHG emission reductions or removals (tCO_2e)
2019	124,313	0	0	124,313

2020	44,058	0	0	44,058
Total	168,371	0	0	168,371

Considering the annual average emission reductions as per registered PD which is 479,448 tonnes of CO_2 per year, the number of days covered during this monitoring period comes out to be 243 days and also 45 MW capacity of Tamilnadu site availing REC component. Thus for 243 days and with exclusion of 45 MW REC component, the estimated emission reductions attributed to this monitoring period comes out to be 250,096 tCO_2. And, the total number GHG emission reductions achieved during this monitoring period is 168,371 tCO_2 which is 32.68% lower than the estimated value which is conservative.

APPENDIX 1: DATE OF COMMISSIONING

Date of Commissioning of WTGs for Tamil Nadu

Vagarai@ Tamil Nadu - 100.5 MW(1.5 * 67)			
ReGen make Vensys - 87 1.5 MW WTG of model			
S. No.	**Machine ID**	**HTSC No.**	**DOC[4]**
1	KOO - 518	DRA 001	1-June-2014
2	KOO - 1359	DRA 003	1-June-2014
3	APY - 241	DRA 004	1-June-2014
4	APY - 416	DRA 005	1-June-2014
5	PAR - 9	DRA 006	1-June-2014
6	PON - 534	DRA 008	1-June-2014
7	PON - 1043	DRA 009	1-June-2014
8	NAL-119	DRA 012	1-June-2014
9	NAL - 81	DRA 013	1-June-2014
10	NAL - 57	DRA 015	1-June-2014
11	MAN - 210	DRA 017	1-June-2014
12	MAN - 898	DRA 018	1-June-2014
13	MAN - 802	DRA 021	1-June-2014
14	KON - 556	DRA 022	1-June-2014
15	KON - 563	DRA 023	1-June-2014
16	KON - 590	DRA 024	1-June-2014
17	KON - 640	DRA 025	1-June-2014
18	KON - 658	DRA 026	1-June-2014
19	KON - 621	DRA 027	1-June-2014
20	KON - 501	DRA 031	1-June-2014
21	ALA - 1639	DRA 043	23-June-2014
22	ALA - 1946	DRA 044	23-June-2014
23	NAL - 434	DRA 049	23-June-2014
24	KON - 234	DRA 054	14-July-2014
25	PAR - 50	DRA 007	1-June-2014
26	MAN - 625	DRA 032	1-June-2014
27	MAN - 604	DRA 033	1-June-2014
28	ALA-2301/2304	DRA 046	23-June-2014
29	ALA - 1569	DRA 047	23-June-2014
30	ALA-2352	DRA 048	23-June-2014

[4]Date Of commissioning

31	KOO - 1157	DRA 002	1-June-2014
32	PON - 1081	DRA 010	1-June-2014
33	MAN - 940	DRA 019	1-June-2014
34	PON - 1565	DRA 037	23-June-2014
35	PON - 1568	DRA 038	23-June-2014
36	VEL - 1936	DRA 039	23-June-2014
37	ALA - 1618	DRA 042	23-June-2014
38	PON - 908	DRA 050	23-June-2014
39	PON - 1203	DRA 052	23-June-2014
40	MAN - 963	DRA 055	16-July-2014
41	PON - 1021	DRA 011	1-June-2014
42	KUL - 652	DRA 014	1-June-2014
43	PON - 4	DRA 016	1-June-2014
44	MAN-828	DRA 020	1-June-2014
45	KON - 618	DRA 028	1-June-2014
46	KON-395	DRA 029	1-June-2014
47	KON-451	DRA 030	1-June-2014
48	APA-84	DRA 034	1-June-2014
49	PUN-270	DRA 035	1-June-2014
50	PUN - 34	DRA 036	4-June-2014
51	VEL-1702	DRA 040	23-June-2014
52	KAL-93	DRA 041	23-June-2014
53	ALA-2290	DRA 045	23-June-2014
54	PON - 775	DRA 051	23-June-2014
55	ALA - 2260	DRA 053	23-June-2014
56	MET 1664	DRA 065	09-January-2015
57	NAL - 445	DRA 061	03-December-2014
58	KOO-1036	DRA 056	31-October-2014
59	VEL-1540	DRA 060	03-December-2014
60	KOO-1174	DRA 058	31-October-2014
61	KOO-1000	DRA 057	31-October-2014
62	PON-1304	DRA 059	31-October-2014
63	APY-247	DRA 064	06-January-2015
64	KON-411	DRA 67	26-February-2015
65	KOO - 581	DRA 062	18-December-2014
66	VEL - 2119	DRA 063	24-December-2014
67	ALA 1385	DRA 066	04-February-2015

Date of commissioning of WTG at Karnataka

Savalsang@ Karnataka - 95.20 MW (0.85*112)		
Gamesa Make WTG model G53/850 kW		
S. No.	Machine ID	DOC[5]
1	MVKPL-1-03	29-April-2014
2	MVKPL-1-04	2-June-2014
3	MVKPL-1-05	2-June-2014
4	MVKPL-1-06	29-April-2014
5	MVKPL-1-07	29-April-2014
6	MVKPL-1-08	29-April-2014
7	MVKPL-1-09	29-April-2014
8	MVKPL-1-10	29-April-2014
9	MVKPL-1-11	29-April-2014
10	MVKPL-1-12	29-April-2014
11	MVKPL-1-13	29-April-2014
12	MVKPL-1-14	29-April-2014
13	MVKPL-1-15	29-April-2014
14	MVKPL-2-01	29-April-2014
15	MVKPL-2-02	29-April-2014
16	MVKPL-2-03	29-April-2014
17	MVKPL-2-04	29-April-2014
18	MVKPL-2-05	29-April-2014
19	MVKPL-2-06	29-April-2014
20	MVKPL-2-07	29-April-2014
21	MVKPL-2-08	29-April-2014
22	MVKPL-2-09	29-April-2014
23	MVKPL-2-10	29-April-2014
24	MVKPL-2-11	29-April-2014
25	MVKPL-2-12	29-April-2014
26	MVKPL-2-13	29-April-2014
27	MVKPL-2-14	29-April-2014
28	MVKPL-2-15	29-April-2014
29	MVKPL-2-16	29-April-2014
30	MVKPL-2-17	29-April-2014
31	MVKPL-2-18	29-April-2014
32	MVKPL-2-19	29-April-2014
33	MVKPL-2-20	29-April-2014

[5]Date Of commissioning

34	MVKPL-3-01	29-April-2014
35	MVKPL-3-02	29-April-2014
36	MVKPL-3-03	29-April-2014
37	MVKPL-3-04	29-April-2014
38	MVKPL-3-05	29-April-2014
39	MVKPL-3-06	29-April-2014
40	MVKPL-3-07	29-April-2014
41	MVKPL-3-08	29-April-2014
42	MVKPL-3-09	29-April-2014
43	MVKPL-3-10	29-April-2014
44	MVKPL-3-11	29-April-2014
45	MVKPL-3-12	29-April-2014
46	MVKPL-3-13	29-April-2014
47	MVKPL-3-14	29-April-2014
48	MVKPL-3-15	29-April-2014
49	MVKPL-3-16	29-April-2014
50	MVKPL-3-17	29-April-2014
51	MVKPL-3-18	2-June-2014
52	MVKPL-3-19	29-April-2014
53	MVKPL-4-01	2-June-2014
54	MVKPL-4-02	29-April-2014
55	MVKPL-4-03	29-April-2014
56	MVKPL-4-04	29-April-2014
57	MVKPL-4-05	29-April-2014
58	MVKPL-4-06	02-June-2014
59	MVKPL-4-07	29-April-2014
60	MVKPL-4-08	29-April-2014
61	MVKPL-4-09	2-June-2014
62	MVKPL-4-10	29-April-2014
63	MVKPL-4-11	29-April-2014
64	MVKPL-4-12	29-April-2014
65	MVKPL-4-13	29-April-2014
66	MVKPL-4-14	29-April-2014
67	MVKPL-4-15	29-April-2014
68	MVKPL-4-16	02-June-2014
69	MVKPL-4-17	02-June-2014
70	MVKPL-4-18	29-April-2014
71	MVKPL-4-19	29-April-2014
72	MVKPL-4-20	29-April-2014
73	MVKPL-4-21	29-April-2014

74	MVKPL-5-01	29-April-2014
75	MVKPL-5-02	29-April-2014
76	MVKPL-5-03	29-April-2014
77	MVKPL-5-04	29-April-2014
78	MVKPL-5-05	29-April-2014
79	MVKPL-5-06	29-April-2014
80	MVKPL-5-07	29-April-2014
81	MVKPL-5-08	29-April-2014
82	MVKPL-5-09	29-April-2014
83	MVKPL-5-10	29-April-2014
84	MVKPL-5-11	29-April-2014
85	MVKPL-5-12	29-April-2014
86	MVKPL-5-13	29-April-2014
87	MVKPL-5-14	02-June-2014
88	MVKPL-5-15	02-June-2014
89	MVKPL-5-16	02-June-2014
90	MVKPL-5-17	02-June-2014
91	MVKPL-5-18	02-June-2014
92	MVKPL-6-01	26-July-2014
93	MVKPL-6-02	26-July-2014
94	MVKPL-6-03	26-July-2014
95	MVKPL-6-04	26-July-2014
96	MVKPL-6-05	26-July-2014
97	MVKPL-6-06	26-July-2014
98	MVKPL-6-07	26-July-2014
99	MVKPL-6-08	26-July-2014
100	MVKPL-6-09	26-July-2014
101	MVKPL-6-10	26-July-2014
102	MVKPL-6-11	23-January-2015
103	MVKPL-6-12	26-July-2014
104	MVKPL-6-13	26-July-2014
105	MVKPL-6-14	26-July-2014
106	MVKPL-6-15	26-July-2014
107	MVKPL-6-16	23-January-2015
108	MVKPL-6-17	26-July-2014
109	MVKPL-6-18	26-July-2014
110	MVKPL-6-19	26-July-2014
111	MVKPL-6-20	23-January-2015
112	MVKPL-6-21	23-January-2015

Date of Commissioning at Andhra Pradesh

Burugula @ Andhra Pradesh - 37.40MW (0.85* 44)		
Gamesa Make WTG model G53/850 kW		
S. No.	Machine ID	DOC[6]
1	Location No. 508	21-February-2014
2	Location No. 509	21-February-2014
3	Location No. 510	21-February-2014
4	Location No. 511	21-February-2014
5	Location No. 512	21-February-2014
6	Location No. 513	21-February-2014
7	Location No. 514	21-February-2014
8	Location No. 515	21-February-2014
9	Location No. 516	21-February-2014
10	Location No. 517	21-February-2014
11	Location No. 518	21-February-2014
12	Location No. 519	21-February-2014
13	Location No. 520	21-February-2014
14	Location No. 521	21-February-2014
15	Location No. 522	21-February-2014
16	Location No. 523	21-February-2014
17	Location No. 524	21-February-2014
18	Location No. 525	21-February-2014
19	Location No. 526	21-February-2014
20	Location No. 527	21-February-2014
21	Location No. 528	21-February-2014
22	Location No. 529	21-February-2014
23	Location No. 530	21-February-2014
24	Location No. 531	21-February-2014
25	Location No. 550	21-February-2014
26	Location No. 551	21-February-2014
27	Location No. 532	15-March-2014
28	Location No. 533	15-March-2014
29	Location No. 534	15-March-2014
30	Location No. 535	15-March-2014
31	Location No. 536	15-March-2014
32	Location No. 537	15-March-2014
33	Location No. 538	15-March-2014

[6]Date Of commissioning

34	Location No. 539	15-March-2014
35	Location No. 540	15-March-2014
36	Location No. 541	15-March-2014
37	Location No. 542	15-March-2014
38	Location No. 543	15-March-2014
39	Location No. 544	15-March-2014
40	Location No. 545	15-March-2014
41	Location No. 546	15-March-2014
42	Location No. 547	15-March-2014
43	Location No. 548	15-March-2014
44	Location No. 549	15-March-2014

APPENDIX II: CALIBRATION DETAILS

VagaraiTamil Nadu state55.5 MW (37*1.5 MW WTGs)[7]

S. No.	HTSC No.	Old meter S. No.	Meter change date	New meter S. No.	Due date of calibration
1.	DRA 002	12092331	25-May-2017	4321945	24-May-2022
2.	DRA 010	14190323	23-May-2017	4322515	22-May-2022
3.	DRA 019	12091451	22-May-2017	4322252	21-May-2022
4.	DRA 037	12091997	20-May-2017	4322069	19-May-2022
5.	DRA 038	12092349	20-May-2017	4321884	19-May-2022
6.	DRA 039	12092267	05-May-2017	4322063	04-May-2022
7.	DRA 042	12092317	20-May-2017	4321949	19-May-2022
8.	DRA 050	12092323	20-May-2017	4322064	19-May-2022
9.	DRA 052	14190336	20-May-2017	4321888	19-May-2022
10.	DRA 055	14190278	22-May-2017	4322067	21-May-2022
11.	DRA 011	14190249	23-May-2017	4322519	22-May-2022
12.	DRA 014	14190299	23-May-2017	4322517	22-May-2022
13.	DRA 016	14190312	23-May-2017	4322521	22-May-2022
14.	DRA 020	14190301	23-May-2017	4322433	22-May-2022
15.	DRA 028	14190333	22-May-2017	4322566	21-May-2022
16.	DRA 029	14190313	22-May-2017	4322574	21-May-2022
17.	DRA 030	14190294	22-May-2017	4322374	21-May-2022

[7]PP is claiming VCS benefits for only 37 WTGs out of 67 WTGs. Rest 30 WTGs are availing Renewable Energy Certificate (REC) benefits. Meter calibration of the 37 WTGs claiming VCS benefits was done at the date of commissioning. Later on these meters were changed in the year 2017 (respective dates are mentioned in the table above). The calibration records of newly installed meters have been submitted to the DOE and the due date of calibration for the respective meters are mentioned in the above table

18.	DRA 034	14190337	23-May-2017	4321977	22-May-2022
19.	DRA 035	14190331	22- May- 2017	4322581	21-May-2022
20.	DRA 036	14190316	22- May- 2017	4322582	21- May -2022
21.	DRA 040	14190292	25- May- 2017	4322160	24- May -2022
22.	DRA 041	14190257	25- May -2017	4321952	24- May -2022
23.	DRA 045	14190319	20- May -2017	4321943	19- May -2022
24.	DRA 051	14190325	20- May -2017	4322065	19- May -2022
25.	DRA 053	14190267	20- May -2017	4321944	19- May -2022
26.	DRA 065	14190268	22- May -2017	4322579	21- May -2022
27.	DRA 061	13197046	20- May -2017	4322154	19- May -2022
28.	DRA 056	14190263	25- May -2017	4321973	24- May -2022
29.	DRA 060	14190320	20- May -2017	4321948	19- May -2022
30.	DRA 058	14190273	23- May -2017	4322514	22- May -2022
31.	DRA 057	14190341	23- May -2017	4322513	22- May -2022
32.	DRA 059	14190315	20- May -2017	4322068	19- May -2022
33.	DRA 064	14190279	20- May -2017	4322066	19- May -2022
34.	DRA 067	14190276	22- May -2017	4322573	21- May -2022
35.	DRA 062	14190280	25- May -2017	4321892	24- May -2022
36.	DRA 063	14190338	20- May -2017	4322158	19- May -2022
37.	DRA 066	14190269	20- May 2017	4321947	19- May -2022

Old meter numbers are of make L&T with accuracy 0.2s while the new meters are of make-Genus with accuracy class 0.2s.

Calibration details for Karnataka site WTGs 95.2 MW (112*0.85 MW WTGs)

Location	Meter Type	Meter Serial Number	Make	Accuracy Class	Calibration Date	Due date of Calibration
Feeder 1	Main Meter	13191120	L & T	0.2s	20-May-2017	19-May-2022
	Check Meter	13191121	L & T	0.2s	20-May-2017	19-May-2022
Feeder 2	Main Meter	13191094	L & T	0.2s	20-May-2017	19-May--2022
	Check Meter	13191095	L & T	0.2s	20-May-2017	19-May-2022
Feeder 3	Main Meter	13191100	L & T	0.2s	20-May-2017	19-May-2022
	Check Meter	13191104	L & T	0.2s	20-May-2017	19-May-2022
Feeder 4	Main Meter	13191096	L & T	0.2s	20-May-2017	19-May-

						2022
	Check Meter	13191097	L & T	0.2s	20-May-2017	19-May-2022
Feeder 5	Main Meter	13191114	L & T	0.2s	20-May-2017	19-May-2022
	Check Meter	13191122	L & T	0.2s	20-May-2017	19-May-2022
Feeder 6	Main Meter	13191159	L & T	0.2s	20-May-2017	19-May-2022
	Check Meter	13191380	L & T	0.2s	20-May-2017	19-May-2022
Sub Station	Main Meter	13194679	L & T	0.2s	20-May-2017	19-May-2022
	Check Meter	13194671	L & T	0.2s	20-May-2017	19-May-2022

Calibration details for Andhra Pradesh site WTGs 37.4 MW (44*0.85 MW WTGs)

Meter Type	Meter meter Serial No.	Make	Accuracy Class	Calibration Date	Due Date
Main Meter	APX01701	Secure	0.2s	28-July-2017	27-July-2022
Check Meter	APX01702	Secure	0.2s	28-July-2017	27-July-2022
Standby Meter	APX01703	Secure	0.2s	28-July-2017	27-July-2022

APPENDIX III: MAJOR BREAK-DOWN DETAILS

For Karnataka site WTGs 95.2 MW

Date	Loc No	Breakdown remark	Duration
02-August-2019	SVG34	Blade Bearing failure	24
03-August-2019	SVG34	Blade Bearing failure	24
04-August-2019	SVG34	Blade Bearing failure	24
05-August-2019	SVG34	Blade Bearing failure	24
06-August-2019	SVG34	Blade Bearing failure	24
07-August-2019	SVG34	Blade Bearing failure	24
08-August-2019	SVG34	Blade Bearing failure	24

09-August-2019	SVG34	Blade Bearing failure	24
10-August-2019	SVG34	Blade Bearing failure	24
11-August-2019	SVG29	SkiiP Error grid inverter phase 1	24
11-August-2019	SVG34	Blade Bearing failure	24
11-August-2019	SVG47	Internal fan contactor feedback failure	17.55
12-August-2019	SVG137	Low yaw brake pressure	20.75
12-August-2019	SVG175	Synchronization timeout	24.00
12-August-2019	SVG195	Stator Voltage sequence error	24
12-August-2019	SVG29	SkiiP Error grid inverter phase 1	24
12-August-2019	SVG33	BUS error - INTERBUS failure	24
12-August-2019	SVG34	Blade Bearing failure	24
12-August-2019	SVG47	Internal fan contactor feedback failure	24
13-August-2019	SVG137	Low yaw brake pressure	24
13-August-2019	SVG175	Synchronization timeout	23.00
13-August-2019	SVG195	Stator Voltage sequence error	24
13-August-2019	SVG29	SkiiP Error grid inverter phase 1	24
13-August-2019	SVG33	BUS error - INTERBUS failure	24
13-August-2019	SVG34	Blade Bearing failure	24
13-August-2019	SVG47	Internal fan contactor feedback failure	24
14-August-2019	SVG137	Low yaw brake pressure	19.95
14-August-2019	SVG195	Stator Voltage sequence error	19.93333
14-August-2019	SVG29	SkiiP Error grid inverter phase 1	17.91667
14-August-2019	SVG33	BUS error - INTERBUS failure	18.25
14-August-2019	SVG34	Blade Bearing failure	24
14-August-2019	SVG47	Internal fan contactor feedback failure	17.95
15-August-2019	SVG34	Blade Bearing failure	24
16-August-2019	SVG34	Blade Bearing failure	24
17-Augusts-2019	SVG34	Blade Bearing failure	24
18-August-2019	SVG34	Blade Bearing failure	24
19-August-2019	SVG34	Blade Bearing failure	24
20-August-2019	SVG34	Blade Bearing failure	24
21-August-2019	SVG34	Blade Bearing failure	24
22-August-2019	SVG34	Blade Bearing failure	24
23-August-2019	SVG34	Blade Bearing failure	24
24-August-2019	SVG34	Blade Bearing failure	24
25-August-2019	SVG34	Blade Bearing failure	24
26-August-2019	SVG34	Blade Bearing failure	24
27-August-2019	SVG34	Blade Bearing failure	24
28-August-2019	SVG34	Blade Bearing failure	24
29-August-2019	SVG34	Blade Bearing failure	24

30-August-2019	SVG34	Blade Bearing failure	24
31-August-2019	SVG34	Blade Bearing failure	24
01-September-2019	SVG34	Blade Bearing failure	24
02-September-2019	SVG34	Blade Bearing failure	24
03-September-2019	SVG34	Blade Bearing failure	24
04-September-2019	SVG34	Blade Bearing failure	24
05-September-2019	SVG34	Blade Bearing failure	24
06-September-2019	SVG34	Blade Bearing failure	24
07-September-2019	SVG34	Blade Bearing failure	24
08-September-2019	SVG34	Blade Bearing failure	24
09-September-2019	SVG34	Blade Bearing failure	24
10-September-2019	SVG34	Blade Bearing failure	24
13-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
14-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
15-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
16-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
17-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
19-October-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
20-Octber-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
21-Octber-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged work under progress	24
22-Octber-2019	SVG107	WTG manual stop due to 'A' Blade tip damaged	17.3
18-December-2019	SVG88	Blade Bearing failure	24.00
19-December-2019	SVG88	Blade Bearing failure	24.00
20-December-2019	SVG88	Blade Bearing failure	24.00
21-December-2019	SVG88	Blade Bearing failure	24.00
22-December-2019	SVG88	Blade Bearing failure	24.00
23-December-2019	SVG88	Blade Bearing failure	24.00
24-December-2019	SVG88	Blade Bearing failure	24.00
25-December-2019	SVG88	Blade Bearing failure	24.00
26-December-2019	SVG88	Blade Bearing failure	24.00
27-December-2019	SVG88	Blade Bearing failure	24.00
28-December-2019	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
28-December-2019	SVG88	Blade Bearing failure	24.00

29-December-2019	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
29-December-2019	SVG88	Blade Bearing failure	24.00
30-December-2019	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
30-December-2019	SVG88	Blade Bearing failure	24.00
31-December-2019	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
31-December-2019	SVG88	Blade Bearing failure	24.00
01-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
01-January-2020	SVG88	Blade Bearing failure	24.00
02-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
02-January-2020	SVG88	Blade Bearing failure	24.00
03-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
03-January-2020	SVG88	Blade Bearing failure	24.00
04-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
04-January-2020	SVG88	Blade Bearing failure	24.00
05-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
05-January-2020	SVG88	Blade Bearing failure	24.00
06-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
06-January-2020	SVG88	Blade Bearing failure	24.00
07-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged WIP	24
07-January-2020	SVG88	Blade Bearing failure	24.00
08-January-2020	SVG103	WTG manual stop due to 'B' Blade tip damaged	17.05
08-January-2020	SVG88	Blade Bearing failure	24.00
09-February-2020	SVG88	Blade Bearing failure	24.00
10-February-2020	SVG88	Blade Bearing failure	24.00
17-March-2020	SVG88	Blade Bearing failure	24.00

For Vagarai Tamil Nadu state55.5 MW

Date	Loc No	Breakdown remark	Duration
13-August-2019	MVMPR-43	error_profi_node_43_diag	23.99998
18-August-2019	MVMPR-43	error_profi_node_43_diag	23.74165
19-August-2019	MVMPR-01	error_pitch_power_supply_2	20.89165
19-August-2019	MVMPR-43	error_converter_grid_IGBT	23.96665
20-August-2019	MVMPR-43	error_profi_node_43_diag	23.99165
22-August-2019	MVMPR-43	error_profi_node_43_diag	23.96665
1-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
1-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998

1-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
2-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
2-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
2-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
3-September-19	MVMPR-19	error_converter_grid_IGBT	24.00
3-September-19	MVMPR-43	error_profi_node_43_diag	23.99998
3-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
4-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
4-September-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
4-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
4-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
5-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
5-September-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
5-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
5-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
6-September-2019	MVMPR-13	error_profi_node_41_diag	22.19998
6-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
6-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
6-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
7-September-2019	MVMPR-05	error_converter_not_ready	23.56665
7-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
7-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
7-September-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
7-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
7-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-September-2019	MVMPR-05	error_converter_not_ready	23.99998
8-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
8-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
8-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
8-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-September-2019	MVMPR-05	error_converter_not_ready	18.39999
8-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
8-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
8-September-2019	MVMPR-26	error_safety_system_safety_system_ok_from_pitch	24.00
8-September-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
8-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
8-September-19	MVMPR-67	error_profi_node_43_diag	24.00
10-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
10-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
10-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
10-September-2019	MVMPR-26	error_safety_system_safety_system_ok_from_pitch	24.00

10-September-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
10-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
10-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
11-September-2019	MVMPR-01	error_pitch_converter_ok_2	23.99998
11-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
11-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
11-September-2019	MVMPR-26	error_safety_system_safety_system_ok_from_pitch	24.00
11-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
11-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
12-September-2019	MVMPR-01	error_pitch_converter_ok_2	23.99998
12-September-2019	MVMPR-13	error_safety_system_safety_system_ok_from_pitch	23.99998
12-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
12-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
12-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
13-September-2019	MVMPR-01	error_pitch_position_end_switch_1	23.99998
13-September-2019	MVMPR-13	error_profi_node_43_diag	23.99998
13-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
13-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
13-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
14-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
14-September-2019	MVMPR-13	error_safety_system_safety_system_ok_from_pitch	23.99998
14-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
14-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
14-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
15-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
15-September-2019	MVMPR-13	error_profi_node_43_diag	20.21665
15-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
15-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
15-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
16-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
16-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
16-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
16-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
17-September-2019	MVMPR-01	error_pitch_converter_ok_2	23.99998
17-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
17-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
17-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
18-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
18-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
18-September-2019	MVMPR-25	error_pitch_power_supply_1	24.00
18-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998

18-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
19-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
19-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
19-September-2019	MVMPR-25	error_pitch_power_supply_2	24.00
19-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
19-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
20-September-2019	MVMPR-01	error_pitch_position_end_switch_2	23.99998
20-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
20-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
20-September-2019	MVMPR-25	error_pitch_power_supply_2	24.00
20-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
20-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
21-September-2019	MVMPR-01	error_safety_system_safety_system_ok_from_pitch	23.99998
21-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
21-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
21-September-2019	MVMPR-25	error_pitch_power_supply_1	24.00
21-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
21-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
22-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
22-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
22-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
22-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
22-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
23-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
23-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
23-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
23-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
23-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
24-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
24-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
24-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
24-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
24-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
25-September-2019	MVMPR-19	error_converter_step_up_IGBT	24.00
25-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
25-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
25-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
25-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
26-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
26-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
26-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00

26-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
26-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
27-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
27-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
27-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
27-September-2019	MVMPR-43	error_converter_grid_IGBT	23.99998
27-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
28-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
28-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
28-September-2019	MVMPR-25	error_safety_system_safety_system_ok_from_pitch	24.00
28-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
28-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
29-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
29-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
29-September-2019	MVMPR-25	error_pitch_power_supply_1	24.00
29-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
29-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
30-September-2019	MVMPR-19	error_converter_grid_IGBT	24.00
30-September-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
30-September-2019	MVMPR-25	error_pitch_power_supply_1	24.00
30-September-2019	MVMPR-43	error_profi_node_43_diag	23.99998
30-September-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
1-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
1-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
1-October-2019	MVMPR-25	error_pitch_power_supply_1	24.00
1-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
2-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
2-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
2-October-2019	MVMPR-25	error_pitch_power_supply_1	24.00
2-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
3-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
3-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
3-October-2019	MVMPR-25	error_pitch_power_supply_1	24.00
3-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
4-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
4-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
4-October-2019	MVMPR-25	error_pitch_power_supply_1	24.00
4-October-2019	MVMPR-67	error_converter_grid_IGBT	24.00
5-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
5-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
5-October-2019	MVMPR-25	error_pitch_power_supply_1	24.00

5-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
6-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
6-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
6-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
7-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
7-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
7-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
8-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
8-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
9-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
9-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
9-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
10-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
10-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
10-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
11-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
11-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
11-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
12-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
12-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
12-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
13-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
13-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
13-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
13-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
14-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
14-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
14-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
14-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
15-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
15-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
15-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
15-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
16-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
16-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
16-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
16-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
17-October-2019	MVMPR-05	error_pitch_position_end_switch_1	23.99998
17-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
17-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00

17-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
17-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
18-October-2019	MVMPR-05	error_pitch_position_end_switch_1	23.89998
18-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
18-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
18-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
18-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
19-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
19-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
19-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
19-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
20-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
20-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
20-October-2019	MVMPR-39	error_safety_system_safety_system_ok_from_pitch	24.00
20-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
22-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
22-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
23-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
23-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
23-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
24-October-2019	MVMPR-02	error_profi_node_41_diag	24.00
24-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
24-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
24-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
25-October-2019	MVMPR-02	error_profi_node_42_diag	24.00
25-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
25-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
25-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
26-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
26-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
26-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
28-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
29-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
29-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
29-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
30-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
30-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00

30-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
31-October-2019	MVMPR-19	error_converter_grid_IGBT	24.00
31-October-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
31-October-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
1-November-2019	MVMPR-19	error_converter_grid_IGBT	24.00
1-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
1-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
2-November-2019	MVMPR-19	error_converter_grid_IGBT	24.00
2-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
2-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
3-November-2019	MVMPR-19	error_converter_grid_IGBT	24.00
3-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
3-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
4-November-2019	MVMPR-19	error_converter_grid_IGBT	24.00
4-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
4-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
5-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
6-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
6-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
7-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
7-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
8-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
9-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00

9-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
10-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
10-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
11-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
11-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
12-November-2019	MVMPR-20	error_safety_system_safety_system_ok_from_pitch	24.00
12-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
13-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
14-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
15-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
16-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
17-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
18-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
19-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
20-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
21-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
22-November-2019	MVMPR-05	error_converter_not_ready	23.99998
22-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
23-Nov-ember-2019	MVMPR-05	error_converter_not_ready	23.99998
23-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
24-November-2019	MVMPR-05	error_converter_not_ready	23.99998
24-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
25-November-2019	MVMPR-05	error_converter_not_ready	23.99998
26-November-2019	MVMPR-05	error_converter_not_ready	24

26-November-2019	MVMPR-30	Individual VCB Tripped	24
26-November-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
27-November-2019	MVMPR-05	error_converter_grid_IGBT	24
27-November-2019	MVMPR-30	Individual VCB Tripped	24
28- November -2019	MVMPR-05	error_converter_grid_IGBT	24
28- November -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
29- November -2019	MVMPR-05	error_converter_grid_IGBT	24
29- November -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
30- November -2019	MVMPR-05	error_converter_grid_IGBT	24
30- November -2019	MVMPR-63	HT Side Fuse Failure	24.00
30- November -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
1-December-2019	MVMPR-30	Individual VCB Tripped	24
1- December -2019	MVMPR-63	HT Side Fuse Failure	24.00
1- December 2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
2- December -2019	MVMPR-05	error_converter_step_up_IGBT	23.91
2- December -2019	MVMPR-63	Individual VCB Tripped	23.72
2- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
3- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
17- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
18-December-2019	MVMPR-02	HT Side Fuse Failure	24.00
18-December-2019	MVMPR-07	error_converter_grid_IGBT	23.92
18-December-2019	MVMPR-09	error_converter_step_up_IGBT	23.47
18-December-2019	MVMPR-14	error_profi_node_41_diag	23.9
18-December-2019	MVMPR-30	Individual VCB Tripped	24

18-December-2019	MVMPR-39	error_profi_node_20_diag	22.42
18-December-2019	MVMPR-49	error_profi_node_20_diag	23.70
18- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
19-December-2019	MVMPR-01	error_profi_node_20_diag	24
19-December-2019	MVMPR-07	error_converter_grid_IGBT	20.25
19-December-2019	MVMPR-09	error_converter_step_up_IGBT	21.68
19-December-2019	MVMPR-14	error_profi_node_41_diag	20.22
19-December-2019	MVMPR-30	Individual VCB Tripped	24
19-December-2019	MVMPR-49	error_profi_node_20_diag	24.00
19-December-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
20- December -2019	MVMPR-01	error_profi_node_20_diag	24
20- December -2019	MVMPR-07	error_converter_grid_IGBT	24
20- December -2019	MVMPR-14	error_profi_node_41_diag	19.82
20- December -2019	MVMPR-30	Individual VCB Tripped	24
20- December -2019	MVMPR-34	error_profi_node_41_diag	24
20- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
20- December -2019	MVMPR-43	error_profi_node_43_diag	24
20- December -2019	MVMPR-49	error_profi_node_20_diag	24.00
20- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
20- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
21- December -2019	MVMPR-01	error_profi_node_20_diag	24
21- December -2019	MVMPR-07	error_converter_grid_IGBT	24
21- December -2019	MVMPR-15	error_converter_chopper_IGBT	20.97
21- December -2019	MVMPR-28	error_converter_generator_contactor	22.00

21- December -2019	MVMPR-30	Individual VCB Tripped	24
21- December -2019	MVMPR-34	error_profi_node_42_diag	24
21- December -2019	MVMPR-37	error_converter_grid_IGBT	24.00
21- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
21- December -2019	MVMPR-43	error_profi_node_43_diag	24
21- December -2019	MVMPR-49	error_profi_node_20_diag	23.75
21- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
21- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
22- December -2019	MVMPR-01	error_profi_node_20_diag	24
22- December -2019	MVMPR-05	error_converter_not_ready	23.99
22- December -2019	MVMPR-07	error_converter_grid_IGBT	24
22- December -2019	MVMPR-11	error_pitch_position_end_switch_2	23.67
22- December -2019	MVMPR-15	error_converter_chopper_IGBT	24
22- December -2019	MVMPR-25	error_converter_not_ready	23.10
22- December -2019	MVMPR-28	error_converter_generator_contactor	23.94
22- December -2019	MVMPR-30	Individual VCB Tripped	24
22- December -2019	MVMPR-34	error_safety_system_safety_system_ok_from_pitch	24
22- December -2019	MVMPR-37	error_converter_generator_contactor	24.00
22- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
22- December -2019	MVMPR-43	error_profi_node_43_diag	24
22- December -2019	MVMPR-49	error_converter_step_up_IGBT	18.97
22- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
22- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
23- December -2019	MVMPR-07	error_converter_grid_IGBT	24

23- December -2019	MVMPR-11	error_safety_system_safety_system_ok_from_pitch	23.99
23- December -2019	MVMPR-15	error_fuse_capacitors_feedback	22.74
23- December -2019	MVMPR-25	error_converter_not_ready	24.00
23- December -2019	MVMPR-28	error_converter_signal_IGBT_overcurrent_peak	19.35
23- December -2019	MVMPR-30	Individual VCB Tripped	24
23- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
23- December -2019	MVMPR-43	error_profi_node_43_diag	24
23- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
23- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
24- December -2019	MVMPR-02	HT Side Fuse Failure	23.83
24- December -2019	MVMPR-07	error_converter_grid_IGBT	24
24- December -2019	MVMPR-15	error_grid_current_unsymmetry	23.97
24- December -2019	MVMPR-25	error_converter_not_ready	23.85
24- December -2019	MVMPR-30	Individual VCB Tripped	24
24- December -2019	MVMPR-34	error_profi_node_42_diag	24
24- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
24- December -2019	MVMPR-43	error_profi_node_43_diag	24
24- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
24- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
25-December-2019	MVMPR-07	error_converter_grid_IGBT	24
25-December-2019	MVMPR-25	error_converter_not_ready	24.00
25-December-2019	MVMPR-30	Individual VCB Tripped	24
25-December-2019	MVMPR-34	error_profi_node_42_diag	24
25-December-2019	MVMPR-39	error_profi_node_20_diag	24.00

25-December-2019	MVMPR-43	error_profi_node_43_diag	24
25-December-2019	MVMPR-65	error_hydraulic_working_time	24.00
25-December-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
26-December-2019	MVMPR-07	error_converter_grid_IGBT	24
26-December-2019	MVMPR-25	error_converter_not_ready	24.00
26-December-2019	MVMPR-30	Individual VCB Tripped	24
26-December-2019	MVMPR-34	error_profi_node_42_diag	24
26-December-2019	MVMPR-39	error_profi_node_20_diag	24.00
26-December-2019	MVMPR-43	error_profi_node_43_diag	24
26-December-2019	MVMPR-65	error_hydraulic_working_time	24.00
26-December-2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
27 December -2019	MVMPR-07	error_converter_grid_IGBT	24
27 December -2019	MVMPR-25	error_converter_not_ready	24.00
27 December -2019	MVMPR-30	Individual VCB Tripped	24
27 December -2019	MVMPR-34	error_profi_node_42_diag	24
27 December -2019	MVMPR-39	error_profi_node_20_diag	24.00
27 December -2019	MVMPR-43	error_profi_node_43_diag	24
27 December -2019	MVMPR-62	error_converter_generator_contactor	24.00
27 December -2019	MVMPR-65	error_hydraulic_working_time	24.00
27 December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
28- December -2019	MVMPR-07	error_converter_grid_IGBT	24
28- December -2019	MVMPR-15	error_converter_chopper_IGBT	20.81
28- December -2019	MVMPR-25	error_converter_not_ready	24.00
28- December -2019	MVMPR-30	Individual VCB Tripped	24

28- December -2019	MVMPR-34	error_profi_node_42_diag	24
28- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
28- December -2019	MVMPR-43	error_profi_node_43_diag	24
28- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
28- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
29- December -2019	MVMPR-07	error_converter_grid_IGBT	24
29- December -2019	MVMPR-15	error_safety_system_safety_system_ok_from_pitch	24
29- December -2019	MVMPR-25	error_converter_not_ready	24.00
29- December -2019	MVMPR-30	Individual VCB Tripped	24
29- December -2019	MVMPR-34	error_profi_node_42_diag	24
29- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
29- December -2019	MVMPR-43	error_profi_node_43_diag	24
29- December -2019	MVMPR-62	error_converter_generator_contactor	24.00
29- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
29- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
30- December -2019	MVMPR-07	error_converter_grid_IGBT	24
30- December -2019	MVMPR-25	error_converter_not_ready	24.00
30- December -2019	MVMPR-34	error_profi_node_42_diag	24
30- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
30- December -2019	MVMPR-43	error_profi_node_43_diag	24
30- December -2019	MVMPR-62	error_converter_generator_contactor	24.00
30- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
30- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
31- December -2019	MVMPR-07	error_converter_grid_IGBT	24

31- December -2019	MVMPR-15	error_pitch_converter_ok_1	17.02
31- December -2019	MVMPR-25	error_converter_not_ready	24.00
31- December -2019	MVMPR-34	error_profi_node_42_diag	24
31- December -2019	MVMPR-39	error_profi_node_20_diag	24.00
31- December -2019	MVMPR-43	error_profi_node_43_diag	24
31- December -2019	MVMPR-62	error_converter_generator_contactor	24.00
31- December -2019	MVMPR-65	error_hydraulic_working_time	24.00
31- December -2019	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
1-January-2020	MVMPR-07	error_converter_grid_IGBT	24
1-January-2020	MVMPR-15	error_converter_grid_IGBT	17.18
1-January-2020	MVMPR-20	error_converter_not_ready	22.60
1-January-2020	MVMPR-25	error_converter_not_ready	24.00
1-January-2020	MVMPR-34	error_profi_node_42_diag	24
1-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
1-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
1-January-2020	MVMPR-43	error_profi_node_43_diag	24
1-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
1-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
1-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
2-January-2020	MVMPR-07	error_converter_grid_IGBT	24
2-January-2020	MVMPR-25	error_converter_not_ready	24.00
2-January-2020	MVMPR-34	error_safety_system_safety_system_ok_from_pitch	24
2-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
2-January-2020	MVMPR-43	error_profi_node_43_diag	24

2-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
2-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
2-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
3-January-2020	MVMPR-07	error_converter_grid_IGBT	24
3-January-2020	MVMPR-11	HT Side Fuse Failure	24
3-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
3-January-2020	MVMPR-25	error_converter_not_ready	24.00
3-January-2020	MVMPR-34	error_profi_node_42_diag	24
3-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
3-January-2020	MVMPR-43	error_profi_node_43_diag	24
3-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
3-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
3-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
4-January-2020	MVMPR-07	error_converter_grid_IGBT	24
4-January-2020	MVMPR-11	HT Side Fuse Failure	24
4-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
4-January-2020	MVMPR-25	error_converter_not_ready	24.00
4-January-2020	MVMPR-34	error_profi_node_42_diag	24
4-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
4-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
4-January-2020	MVMPR-43	error_profi_node_43_diag	24
4-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
4-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
4-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00

5-January-2020	MVMPR-07	error_converter_step_up_IGBT	24
5-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
5-January-2020	MVMPR-25	error_converter_not_ready	24
5-January-2020	MVMPR-34	error_profi_node_42_diag	17.88
5-January-2020	MVMPR-35	error_pitch_converter_ok_1	19.97
5-January-2020	MVMPR-39	error_profi_node_20_diag	24
5-January-2020	MVMPR-40	HT Side Fuse Failure	24.00
5-January-2020	MVMPR-43	error_profi_node_43_diag	24
5-January-2020	MVMPR-62	error_converter_generator_contactor	24
5-January-2020	MVMPR-65	error_hydraulic_working_time	24
5-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
6-January-2020	MVMPR-07	error_converter_grid_IGBT	24
6-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
6-January-2020	MVMPR-25	error_converter_not_ready	24.00
6-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
6-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
6-January-2020	MVMPR-40	HT Side Fuse Failure	24.00
6-January-2020	MVMPR-43	error_profi_node_43_diag	24
6-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
6-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
6-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
7-January-2020	MVMPR-07	error_converter_grid_IGBT	24
7-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
7-January-2020	MVMPR-25	error_converter_not_ready	24.00

7-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
7-January-2020	MVMPR-40	HT Side Fuse Failure	24
7-January-2020	MVMPR-43	error_profi_node_43_diag	24
7-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
7-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
7-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-January-2020	MVMPR-07	error_converter_grid_IGBT	24
8-January-2020	MVMPR-15	error_converter_grid_IGBT	24
8-January-2020	MVMPR-25	error_converter_not_ready	24.00
8-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
8-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
8-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
9-January-2020	MVMPR-07	error_converter_grid_IGBT	24
9-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
9-January-2020	MVMPR-25	error_converter_not_ready	24.00
9-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
9-January-2020	MVMPR-43	error_profi_node_43_diag	24
9-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
9-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
9-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
10-January-2020	MVMPR-07	error_converter_grid_IGBT	24
10-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
10-January-2020	MVMPR-25	error_converter_not_ready	24.00
10-January-2020	MVMPR-39	error_profi_node_20_diag	24.00

10-January-2020	MVMPR-43	error_profi_node_43_diag	24
10-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
10-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
10-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
11-January-2020	MVMPR-05	B-phase jumber cut condition	24
11-January-2020	MVMPR-07	error_converter_grid_IGBT	24
11-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
11-January-2020	MVMPR-25	error_converter_not_ready	24
11-January-2020	MVMPR-35	error_pitch_converter_ok_1	23.96
11-January-2020	MVMPR-43	error_profi_node_43_diag	24
11-January-2020	MVMPR-58	error_profi_node_20_diag	24
11-January-2020	MVMPR-62	error_converter_generator_contactor	24
11-January-2020	MVMPR-65	error_hydraulic_working_time	24
11-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
12-January-2020	MVMPR-07	error_converter_grid_IGBT	24
12-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
12-January-2020	MVMPR-25	error_converter_not_ready	24
12-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
12-January-2020	MVMPR-39	error_profi_node_20_diag	24
12-January-2020	MVMPR-43	error_profi_node_43_diag	24
12-January-2020	MVMPR-58	error_profi_node_20_diag	24
12-January-2020	MVMPR-62	error_converter_generator_contactor	24
12-January-2020	MVMPR-65	error_hydraulic_working_time	24
12-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24

13-January-2020	MVMPR-07	error_converter_grid_IGBT	24
13-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
13-January-2020	MVMPR-25	error_converter_not_ready	24.00
13-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
13-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
13-January-2020	MVMPR-43	error_profi_node_43_diag	24
13-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
13-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
13-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
14-January-2020	MVMPR-07	error_converter_grid_IGBT	24
14-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
14-January-2020	MVMPR-20	error_converter_chopper_IGBT	23.32
14-January-2020	MVMPR-25	error_converter_not_ready	24.00
14-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
14-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
14-January-2020	MVMPR-43	error_profi_node_43_diag	24
14-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
14-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
14-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
15-January-2020	MVMPR-07	error_converter_grid_IGBT	24
15-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
15-January-2020	MVMPR-25	error_converter_not_ready	24.00
15-January-2020	MVMPR-35	error_pitch_converter_ok_1	23.99
15-January-2020	MVMPR-39	error_profi_node_20_diag	24.00

15-January-2020	MVMPR-43	error_profi_node_43_diag	24
15-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
15-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
15-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
16-January-2020	MVMPR-07	error_converter_grid_IGBT	24
16-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
16-January-2020	MVMPR-25	error_converter_not_ready	24.00
16-January-2020	MVMPR-35	error_pitch_converter_ok_1	24
16-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
16-January-2020	MVMPR-43	error_profi_node_43_diag	24
16-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
16-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
16-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
17-January-2020	MVMPR-07	error_converter_grid_IGBT	24
17-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
17-January-2020	MVMPR-25	error_converter_not_ready	24.00
17-January-2020	MVMPR-35	error_pitch_converter_ok_1	17.85
17-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
17-January-2020	MVMPR-43	error_profi_node_43_diag	24
17-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
17-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
17-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
18-January-2020	MVMPR-07	error_converter_grid_IGBT	24
18-January-2020	MVMPR-15	error_converter_step_up_IGBT	24

18-January-2020	MVMPR-25	error_converter_not_ready	24.00
18-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
18-January-2020	MVMPR-43	error_profi_node_43_diag	24
18-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
18-January-2020	MVMPR-63	error_safety_system_safety_system_ok_from_pitch	24.00
18-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
18-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
19-January-2020	MVMPR-01	error_grid_voltage_global	17.25
19-January-2020	MVMPR-07	error_converter_grid_IGBT	24
19-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
19-January-2020	MVMPR-16	error_converter_not_ready	24.00
19-January-2020	MVMPR-25	error_converter_not_ready	24.00
19-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
19-January-2020	MVMPR-43	error_profi_node_43_diag	24
19-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
19-January-2020	MVMPR-63	error_safety_system_safety_system_ok_from_pitch	24.00
19-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
19-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
20-January-2020	MVMPR-07	error_converter_grid_IGBT	24
20-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
20-January-2020	MVMPR-16	error_converter_not_ready	24.00
20-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
20-January-2020	MVMPR-43	error_profi_node_43_diag	24
20-January-2020	MVMPR-65	error_hydraulic_working_time	24.00

20-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
21-January-2020	MVMPR-07	error_converter_grid_IGBT	24
21-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
21-January-2020	MVMPR-16	error_converter_not_ready	24.00
21-January-2020	MVMPR-25	error_converter_not_ready	24.00
21-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
21-January-2020	MVMPR-43	error_profi_node_43_diag	24
21-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
21-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
21-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
22-January-2020	MVMPR-07	error_converter_grid_IGBT	24
22-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
22-January-2020	MVMPR-16	error_converter_not_ready	24.00
22-January-2020	MVMPR-25	error_converter_not_ready	24.00
22-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
22-January-2020	MVMPR-43	error_profi_node_43_diag	24
22-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
22-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
23-January-2020	MVMPR-01	error_safety_system_prog_ts_gr1_com_error	24
23-January-2020	MVMPR-07	error_converter_grid_IGBT	24
23-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
23-January-2020	MVMPR-16	error_converter_not_ready	24.00
23-January-2020	MVMPR-25	error_converter_not_ready	24.00
23-January-2020	MVMPR-39	error_profi_node_20_diag	24.00

23-January-2020	MVMPR-43	error_profi_node_43_diag	24
23-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
23-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
23-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
24-January-2020	MVMPR-01	error_safety_system_prog_ts_gr1_com_error	24
24-January-2020	MVMPR-07	error_converter_grid_IGBT	24
24-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
24-January-2020	MVMPR-16	error_converter_not_ready	24.00
24-January-2020	MVMPR-25	error_converter_not_ready	24.00
24-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
24-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
25-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	23.99
25-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	17.48
26-January-2020	MVMPR-07	error_converter_grid_IGBT	24
26-January-2020	MVMPR-10	error_profi_node_20_diag	24.00
26-January-2020	MVMPR-11	error_profi_node_20_diag	24
26-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
26-January-2020	MVMPR-16	error_converter_not_ready	24.00
26-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	23.99
26-January-2020	MVMPR-25	error_converter_not_ready	24.00
26-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
26-January-2020	MVMPR-30	error_profi_node_20_diag	24
26-January-2020	MVMPR-33	error_profi_node_20_diag	24.00
26-January-2020	MVMPR-51	error_pitch_position_end_switch_3	24.00

26-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
26-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
26-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
26-January-2020	MVMPR-07	error_converter_grid_IGBT	24
27-January-2020	MVMPR-10	error_profi_node_20_diag	24.00
27-January-2020	MVMPR-11	error_profi_node_20_diag	24
27-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
27-January-2020	MVMPR-16	error_converter_not_ready	24.00
27-January-2020	MVMPR-23	error_profi_node_20_diag	23.99
27-January-2020	MVMPR-25	error_converter_not_ready	24.00
27-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
27-January-2020	MVMPR-30	error_profi_node_20_diag	24
27-January-2020	MVMPR-33	error_profi_node_20_diag	24.00
27-January-2020	MVMPR-39	error_profi_node_20_diag	24.00
27-January-2020	MVMPR-43	error_profi_node_43_diag	24
27-January-2020	MVMPR-51	error_profi_node_20_diag	24.00
27-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
27-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
27-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
27-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
28-January-2020	MVMPR-07	error_converter_grid_IGBT	24
28-January-2020	MVMPR-10	error_profi_node_20_diag	24.00
28-January-2020	MVMPR-11	error_profi_node_20_diag	24
28-January-2020	MVMPR-14	error_profi_node_20_diag	24

28-January-2020	MVMPR-15	error_converter_step_up_IGBT	24
28-January-2020	MVMPR-16	error_converter_not_ready	24.00
28-January-2020	MVMPR-20	error_converter_chopper_IGBT	24.00
28-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	24.00
28-January-2020	MVMPR-23	error_profi_node_20_diag	24
28-January-2020	MVMPR-25	error_converter_not_ready	24.00
28-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
28-January-2020	MVMPR-30	error_profi_node_20_diag	24
28-January-2020	MVMPR-33	error_profi_node_20_diag	24.00
28-January-2020	MVMPR-51	error_profi_node_20_diag	24.00
28-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
28-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
29-January-2020	MVMPR-03	HT fuse failure	24
29-January-2020	MVMPR-05	error_converter_not_ready	21.81
29-January-2020	MVMPR-07	error_converter_grid_IGBT	24
29-January-2020	MVMPR-11	error_profi_node_20_diag	24
29-January-2020	MVMPR-14	error_yaw_speed	24
29-January-2020	MVMPR-15	error_converter_grid_IGBT	24
29-January-2020	MVMPR-16	error_converter_grid_IGBT	24.00
29-January-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24.00
29-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	23.99
29-January-2020	MVMPR-25	error_converter_not_ready	24.00
29-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
29-January-2020	MVMPR-30	error_profi_node_20_diag	23.99

29-January-2020	MVMPR-39	error_profi_node_20_diag	21.77
29-January-2020	MVMPR-46	PT failure	21.97
29-January-2020	MVMPR-50	error_profi_node_20_diag	21.77
29-January-2020	MVMPR-51	error_profi_node_20_diag	24.00
29-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
29-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
29-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
30-January-2020	MVMPR-03	HT fuse failure	24
30-January-2020	MVMPR-05	error_converter_not_ready	24
30-January-2020	MVMPR-07	error_converter_grid_IGBT	24
30-January-2020	MVMPR-11	Pin Insulator failure	24
30-January-2020	MVMPR-14	error_yaw_speed	24
30-January-2020	MVMPR-15	error_converter_grid_IGBT	24
30-January-2020	MVMPR-16	error_converter_grid_IGBT	24.00
30-January-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24.00
30-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	23.74
30-January-2020	MVMPR-24	error_pitch_position_end_switch_2	23.79
30-January-2020	MVMPR-25	error_converter_not_ready	24.00
30-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
30-January-2020	MVMPR-30	error_profi_node_20_diag	24
30-January-2020	MVMPR-39	error_profi_node_20_diag	23.83
30-January-2020	MVMPR-46	PT failure	24.00
30-January-2020	MVMPR-50	error_profi_node_20_diag	24.00
30-January-2020	MVMPR-51	error_pitch_position_end_switch_1	24.00

30-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
30-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
30-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
31-January-2020	MVMPR-03	HT fuse failure	24
31-January-2020	MVMPR-05	error_converter_not_ready	17.03
31-January-2020	MVMPR-07	error_converter_grid_IGBT	24
31-January-2020	MVMPR-11	PIN insulator failure	24
31-January-2020	MVMPR-14	error_yaw_speed	24
31-January-2020	MVMPR-15	error_converter_grid_IGBT	24
31-January-2020	MVMPR-16	error_converter_grid_IGBT	24.00
31-January-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24.00
31-January-2020	MVMPR-22	error_safety_system_safety_system_ok_from_pitch	23.24
31-January-2020	MVMPR-24	error_pitch_position_end_switch_2	23.82
31-January-2020	MVMPR-25	error_converter_not_ready	24.00
31-January-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
31-January-2020	MVMPR-30	error_profi_node_20_diag	23.9
31-January-2020	MVMPR-39	error_profi_node_20_diag	23.35
31-January-2020	MVMPR-46	PT failure	24.00
31-January-2020	MVMPR-50	error_profi_node_20_diag	23.35
31-January-2020	MVMPR-51	error_pitch_position_end_switch_1	24.00
31-January-2020	MVMPR-62	error_converter_generator_contactor	24.00
31-January-2020	MVMPR-65	error_hydraulic_working_time	24.00
31-January-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
1-February-2020	MVMPR-03	PT failure	24

1-February-2020	MVMPR-07	error_converter_grid_IGBT	24
1-February-2020	MVMPR-11	PIN insulator failure	24
1-February-2020	MVMPR-14	error_yaw_speed	24
1-February-2020	MVMPR-15	error_converter_grid_IGBT	24
1-February-2020	MVMPR-16	error_converter_grid_IGBT	24
1-February-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24
1-February-2020	MVMPR-24	error_pitch_position_end_switch_2	23.74
1-February-2020	MVMPR-25	error_converter_not_ready	24
1-February-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	24
1-February-2020	MVMPR-30	error_profi_node_20_diag	23.9
1-February-2020	MVMPR-39	error_profi_node_20_diag	23.79
1-February-2020	MVMPR-46	PT failure	24
1-February-2020	MVMPR-50	error_profi_node_20_diag	23.79
1-February-2020	MVMPR-51	error_pitch_position_end_switch_1	24
1-February-2020	MVMPR-62	error_converter_generator_contactor	24
1-February-2020	MVMPR-65	error_hydraulic_working_time	24
1-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
2-February-2020	MVMPR-01	error_safety_system_prog_ts_gr1_com_error	24
2-February-2020	MVMPR-03	PT failure	24
2-February-2020	MVMPR-07	error_converter_grid_IGBT	24
2-February-2020	MVMPR-09	error_safety_system_safety_system_ok_from_pitch	23.91
2-February-2020	MVMPR-11	Pin Insulator failure	24
2-February-2020	MVMPR-14	error_yaw_speed	24
2-February-2020	MVMPR-15	error_converter_grid_IGBT	24

2-February-2020	MVMPR-16	error_converter_grid_IGBT	24
2-February-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24
2-February-2020	MVMPR-24	error_pitch_position_end_switch_2	24
2-February-2020	MVMPR-25	error_converter_not_ready	24
2-February-2020	MVMPR-28	HT Side Fuse Failure	24
2-February-2020	MVMPR-29	error_safety_system_safety_system_ok_from_pitch	23.43
2-February-2020	MVMPR-30	error_profi_node_20_diag	24
2-February-2020	MVMPR-39	error_profi_node_20_diag	24
2-February-2020	MVMPR-43	error_converter_grid_igbt_temperature_global	23.52
2-February-2020	MVMPR-46	PT failure	24
2-February-2020	MVMPR-50	error_profi_node_20_diag	24
2-February-2020	MVMPR-51	error_pitch_position_end_switch_1	24
2-February-2020	MVMPR-62	error_converter_generator_contactor	24
2-February-2020	MVMPR-65	error_hydraulic_working_time	24
2-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
3-February-2020	MVMPR-03	PT Failure	24
3-February-2020	MVMPR-07	error_converter_grid_IGBT	24
3-February-2020	MVMPR-11	error_profi_node_20_diag	24
3-February-2020	MVMPR-14	error_yaw_speed	24
3-February-2020	MVMPR-15	error_converter_step_up_IGBT	24
3-February-2020	MVMPR-16	error_converter_not_ready	24.00
3-February-2020	MVMPR-20	error_profi_node_20_diag	23.82
3-February-2020	MVMPR-24	error_pitch_position_end_switch_2	24.00
3-February-2020	MVMPR-25	error_converter_not_ready	24.00

3-February-2020	MVMPR-28	HT Side Fuse Failure	24.00
3-February-2020	MVMPR-29	error_converter_step_up_IGBT	19.71
3-February-2020	MVMPR-30	error_profi_node_20_diag	23.99
3-February-2020	MVMPR-39	error_profi_node_20_diag	24.00
3-February-2020	MVMPR-46	PT Failure	24.00
3-February-2020	MVMPR-50	error_profi_node_20_diag	24.00
3-February-2020	MVMPR-51	error_pitch_position_end_switch_1	24.00
3-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
3-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
3-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
4-February-2020	MVMPR-01	error_safety_system_prog_ts_gr1_com_error	19.68
4-February-2020	MVMPR-05	error_profi_node_43_diag	19.59
4-February-2020	MVMPR-07	error_converter_grid_IGBT	24
4-February-2020	MVMPR-09	error_safety_system_safety_system_ok_from_pitch	24
4-February-2020	MVMPR-11	error_profi_node_20_diag	24
4-February-2020	MVMPR-11	Pin insulator failure	24
4-February-2020	MVMPR-14	error_yaw_speed	24
4-February-2020	MVMPR-15	error_converter_grid_IGBT	24
4-February-2020	MVMPR-16	error_converter_grid_IGBT	24.00
4-February-2020	MVMPR-20	error_converter_grid_monitoring_chopper_I	24.00
4-February-2020	MVMPR-25	error_converter_not_ready	24.00
4-February-2020	MVMPR-28	HT Side Fuse Failure	24.00
4-February-2020	MVMPR-30	error_profi_node_20_diag	23.83
4-February-2020	MVMPR-39	error_profi_node_20_diag	25.00

4-February-2020	MVMPR-46	PT Failure	24.00
4-February-2020	MVMPR-50	error_profi_node_20_diag	17.37
4-February-2020	MVMPR-51	error_pitch_position_end_switch_1	23.82
4-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
4-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
4-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
5-February-2020	MVMPR-01	error_safety_system_prog_ts_gr1_com_error	19.3
5-February-2020	MVMPR-07	error_converter_grid_IGBT	24
5-February-2020	MVMPR-11	error_profi_node_20_diag	24
5-February-2020	MVMPR-14	error_yaw_speed	24
5-February-2020	MVMPR-15	error_converter_grid_IGBT	21.56
5-February-2020	MVMPR-16	error_converter_not_ready	24.00
5-February-2020	MVMPR-20	error_profi_node_20_diag	24.00
5-February-2020	MVMPR-25	error_converter_not_ready	24.00
5-February-2020	MVMPR-28	HT Side Fuse Failure	18.02
5-February-2020	MVMPR-39	error_profi_node_20_diag	19.57
5-February-2020	MVMPR-44	error_profi_node_43_diag	24.00
5-February-2020	MVMPR-46	PT Failure	24.00
5-February-2020	MVMPR-50	error_profi_node_20_diag	24.00
5-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
5-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
5-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
6-February-2020	MVMPR-07	error_converter_grid_IGBT	24
6-February-2020	MVMPR-11	error_profi_node_20_diag	24

6-February-2020	MVMPR-16	error_converter_not_ready	24.00
6-February-2020	MVMPR-25	error_converter_not_ready	24.00
6-February-2020	MVMPR-46	PT Failure	24.00
6-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
6-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
6-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
7-February-2020	MVMPR-25	error_converter_not_ready	24.00
7-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
7-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
7-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
8-February-2020	MVMPR-25	error_converter_not_ready	24.00
8-February-2020	MVMPR-46	PT Failure	24.00
8-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
8-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
8-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24.00
9-February-2020	MVMPR-25	error_converter_not_ready	24.00
9-February-2020	MVMPR-46	pt failure	24.00
9-February-2020	MVMPR-62	error_converter_generator_contactor	24.00
9-February-2020	MVMPR-65	error_hydraulic_working_time	24.00
10-February-2020	MVMPR-25	error_converter_not_ready	24.00
10-February-2020	MVMPR-46	PT failure	24.00
10-February-2020	MVMPR-50	error_converter_chopper_IGBT	20.69
10-February-2020	MVMPR-62	error_converter_generator_contactor	24
10-February-2020	MVMPR-65	error_hydraulic_working_time	24

10-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
11-February-2020	MVMPR-25	error_converter_not_ready	17.45
11-February-2020	MVMPR-46	pt failure	24
11-February-2020	MVMPR-62	error_converter_generator_contactor	24
11-February-2020	MVMPR-65	error_hydraulic_working_time	20.37
14-February-2020	MVMPR-62	error_converter_generator_contactor	24
14-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
15-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
15-February-2020	MVMPR-62	error_converter_generator_contactor	24
15-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
17-February-2020	MVMPR-62	error_converter_generator_contactor	24
17-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
18-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
19-February-2020	MVMPR-62	error_converter_generator_contactor	24
19-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
20-February-2020	MVMPR-15	error_safety_system_safety_system_ok_from_pitch	20.41
20-February-2020	MVMPR-62	error_converter_generator_contactor	24
20-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
21-February-2020	MVMPR-62	error_converter_generator_contactor	24
21-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
22- February -2020	MVMPR-62	error_converter_generator_contactor	24
22- February -2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
23- February -2020	MVMPR-44	error_converter_grid_IGBT	24
23- February -2020	MVMPR-62	error_converter_generator_contactor	24

23- February -2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
24-Febraury-2020	MVMPR-01	HT Side Fuse Failure	20.42
24-Febraury-2020	MVMPR-44	error_converter_grid_IGBT	24
24-Febraury-2020	MVMPR-62	error_converter_generator_contactor	24
24-Febraury-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
25-Febraury-2020	MVMPR-44	error_converter_grid_IGBT	24
25-Febraury-2020	MVMPR-46	PT Failure	24
25-Febraury-2020	MVMPR-62	error_converter_generator_contactor	24
25-Febraury-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
26-February-2020	MVMPR-44	error_converter_grid_IGBT	24
26-February-2020	MVMPR-46	PT Failure	24
26-February-2020	MVMPR-62	error_converter_generator_contactor	24
26-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
27-Febraury-2020	MVMPR-44	error_converter_grid_IGBT	24
27-February-2020	MVMPR-46	PT Failure	24
27-February-2020	MVMPR-62	error_converter_generator_contactor	24
27-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
28-February-2020	MVMPR-44	error_converter_grid_IGBT	24
28-February-2020	MVMPR-46	PT Failure	24
28-February-2020	MVMPR-62	error_converter_generator_contactor	24
28-February-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
1-March-2020	MVMPR-44	error_converter_grid_IGBT	24
1-March-2020	MVMPR-62	error_converter_generator_contactor	24
1-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24

2-March-2020	MVMPR-44	error_converter_grid_IGBT	23.92
2-March-2020	MVMPR-62	error_converter_generator_contactor	24
2-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
3-March-2020	MVMPR-44	error_converter_grid_IGBT	24
3-March-2020	MVMPR-62	error_converter_generator_contactor	24
3-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
4-March-2020	MVMPR-44	error_converter_grid_IGBT	23.87
4-March-2020	MVMPR-62	error_converter_generator_contactor	24
4-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
5-March-2020	MVMPR-44	error_converter_grid_IGBT	24
5-March-2020	MVMPR-62	error_converter_generator_contactor	24
5-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
6-March-2020	MVMPR-44	error_converter_grid_IGBT	24
6-March-2020	MVMPR-62	error_converter_generator_contactor	24
6-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
7-March-2020	MVMPR-44	error_converter_grid_IGBT	24
7-March-2020	MVMPR-62	error_converter_generator_contactor	24
7-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
8-March-2020	MVMPR-44	error_converter_grid_IGBT	22.65
8-March-2020	MVMPR-62	error_converter_generator_contactor	24
8-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
9-March-2020	MVMPR-44	error_acceleration_nacelle_global	24
9-March-2020	MVMPR-62	error_converter_generator_contactor	24
9-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24

10-March-2020	MVMPR-44	error_converter_grid_IGBT	24
10-March-2020	MVMPR-62	error_converter_generator_contactor	24
10-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
11-March-2020	MVMPR-44	error_converter_grid_IGBT	24
11-March-2020	MVMPR-62	error_converter_generator_contactor	24
11-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
12-March-2020	MVMPR-44	error_converter_grid_IGBT	24
12-March-2020	MVMPR-62	error_converter_generator_contactor	24
12-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
13-March-2020	MVMPR-44	error_converter_grid_IGBT	24
13-March-2020	MVMPR-62	error_converter_generator_contactor	24
13-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
14-March-2020	MVMPR-44	error_converter_grid_IGBT	24
14-March-2020	MVMPR-62	error_converter_generator_contactor	24
14-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
15-March-2020	MVMPR-44	error_converter_grid_IGBT	24
15-March-2020	MVMPR-62	error_converter_generator_contactor	24
15-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
16-March-2020	MVMPR-44	error_converter_grid_IGBT	24
16-March-2020	MVMPR-46	PT Faillure	24
16-March-2020	MVMPR-62	error_converter_generator_contactor	24
17-March-2020	MVMPR-46	PT Failure	24
17-March-2020	MVMPR-62	error_converter_generator_contactor	24
17-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24

18-March-2020	MVMPR-44	error_converter_grid_IGBT	24
18-March-2020	MVMPR-62	error_converter_generator_contactor	24
18-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
19-March-2020	MVMPR-44	error_converter_IGBT_ok	24
19-March-2020	MVMPR-62	error_converter_generator_contactor	24
19-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
20-March-2020	MVMPR-44	error_converter_grid_IGBT	24
20-March-2020	MVMPR-62	error_converter_generator_contactor	24
20-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
21-March-2020	MVMPR-44	error_converter_grid_IGBT	24
21-March-2020	MVMPR-62	error_converter_generator_contactor	24
21-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
22-March-2020	MVMPR-44	error_converter_grid_IGBT	24
22-March-2020	MVMPR-46	C.T.Failure	24
22-March-2020	MVMPR-53	C.T.Failure	24
22-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
23-March-2020	MVMPR-44	error_converter_grid_IGBT	24
23-March-2020	MVMPR-46	CT Faillure	24
23-March-2020	MVMPR-53	CT Faillure	24
23-March-2020	MVMPR-62	error_converter_generator_contactor	24
23-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
24-March-2020	MVMPR-44	error_converter_grid_IGBT	24
24-March-2020	MVMPR-46	PT Failure	24
24-March-2020	MVMPR-53	CT Failure	24

24-March-2020	MVMPR-62	error_converter_generator_contactor	24
24-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
25-March-2020	MVMPR-44	error_converter_grid_IGBT	24
25-March-2020	MVMPR-46	PT Failure	24
25-March-2020	MVMPR-53	CT Failure	24
25-March-2020	MVMPR-62	error_converter_generator_contactor	24
25-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
26-March-2020	MVMPR-44	error_converter_grid_IGBT	24
26-March-2020	MVMPR-46	C.T.Failure	24
26-March-2020	MVMPR-53	C.T.Failure	24
26-March-2020	MVMPR-62	error_converter_generator_contactor	24
26-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
27-March-2020	MVMPR-44	error_converter_grid_IGBT	24
27-March-2020	MVMPR-46	C.T.Failure	24
27-March-2020	MVMPR-53	C.T.Failure	24
27-March-2020	MVMPR-62	error_converter_generator_contactor	24
27-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
28-March-2020	MVMPR-44	error_converter_grid_IGBT	24
28-March-2020	MVMPR-46	C.T.Failure	24
28-March-2020	MVMPR-53	C.T.Failure	24
28-March-2020	MVMPR-62	error_converter_generator_contactor	24
28-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
29-March-2020	MVMPR-44	error_converter_grid_IGBT	24
29-March-2020	MVMPR-46	C.T.Failure	24

29-March-2020	MVMPR-53	C.T.Failure	24
29-March-2020	MVMPR-62	error_converter_generator_contactor	24
29-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
30-March-2020	MVMPR-44	error_converter_grid_IGBT	24
30-March-2020	MVMPR-46	C.T. failure	24
30-March-2020	MVMPR-53	C.T. failure	24
30-March-2020	MVMPR-62	error_converter_generator_contactor	24
30-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24
31-March-2020	MVMPR-44	error_converter_grid_IGBT	24
31-March-2020	MVMPR-46	C.T.Failure	24
31-March-2020	MVMPR-53	C.T.Failure	24
31-March-2020	MVMPR-62	error_converter_generator_contactor	24
31-March-2020	MVMPR-67	error_safety_system_safety_system_ok_from_pitch	24

For Andhra Pradesh site WTGs 37.4 MW

21-August-2019	BRG 539	Stator Voltage sequence error	24
22- August-2019	BRG 532	Stator Voltage sequence error	24
29- August-2019	BRG 528	Stator Voltage sequence error	24
03-September-2019	BRG 520	Stator Voltage sequence error	24
04-September-2019	BRG 520	Stator Voltage sequence error	24
11- September-2019	BRG 530	Stator Voltage sequence error	24
12- September-2019	BRG 531	Stator Voltage sequence error	24
18- September-2019	BRG 528	Stator Voltage sequence error	24

19- September-2019	BRG 535	Stator Voltage sequence error	24
23- September-2019	BRG 535	Stator Voltage sequence error	24
24- September-2019	BRG 535	Stator Voltage sequence error	24
27- September-2019	BRG 546	Stator Voltage sequence error	24
28- September-2019	BRG 546	Stator Voltage sequence error	24
03-October-2019	BRG 549	Stator Voltage sequence error	24
17- October-2019	BRG 540	Stator Voltage sequence error	24
18- October-2019	BRG 517	Stator Voltage sequence error	24
25- October-2019	BRG 524	Stator Voltage sequence error	24
14-November-2019	BRG 517	Stator Voltage sequence error	24
15- November-2019	BRG 521	Stator Voltage sequence error	24
16- November-2019	BRG 522	Stator Voltage sequence error	24
18- November-2019	BRG 521	Stator Voltage sequence error	24
12-December-2019	BRG 518	Stator Voltage sequence error	24
13- December-2019	BRG 520	Stator Voltage sequence error	24
14- December-2019	BRG 525	Stator Voltage sequence error	24
15- December-2019	BRG 526	Stator Voltage sequence error	24
16- December-2019	BRG 530	Stator Voltage sequence error	24
17- December-2019	BRG 509	Stator Voltage sequence error	24
12-January-2020	BRG 509	Stator Voltage sequence error	24
13- January-2020	BRG 510	Stator Voltage sequence error	24
02-February-2020	BRG 521	Stator Voltage sequence error	24
03- February-2020	BRG 521	Stator Voltage sequence error	24

05- February-2020	BRG 523	Stator Voltage sequence error	24
21-February-2020	BRG 526	Stator Voltage sequence error	24
17-March-2020	BRG 526	Stator Voltage sequence error	24
17- March-2020	BRG 517	Stator Voltage sequence error	24
19- March-2020	BRG 509	Stator Voltage sequence error	24
19- March-2020	BRG 523	Stator Voltage sequence error	24
17- March-2020	BRG 526	Stator Voltage sequence error	24
20- March-2020	BRG 526	Stator Voltage sequence error	24