



VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122901

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Dig. Hygrometer	Serial No.	: ---
Make / Model	: Heatcon	Accuracy	: ---
Range	: 0 - 99 %Rh	Type	: ---
Least Count / Resolution	: 1 %Rh	Condition of Equip.	: Normal
Location	: Humidity Chamber	Equip. / Party ID	: 11

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Dig Thermohygro Meter	HTC	CC220920000000920F	UTC, Karnal	08/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 37

Parameter Relative Humidity

S. No.	UUC Value (S) %Rh	Avg. Standard Value (M) %Rh	Error (S-M)	% Error	(±)MU** %
1	40	40.2	-0.2	0.5	2.0
2	60	60.4	-0.4	0.7	
3	80	80.7	-0.7	0.9	
4	90	91.2	-1.2	1.3	



C.P. SAXENA
APPROVED BY (QM/TM)

*C.P. SAXENA
29/12/2020*

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC – Device Under Calibration / Unit Under Calibration; 6) * Not covered under NABL Scope, Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QF/19}



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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122902

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Angle-D
Make / Model : ---
Range : 180⁰
Least Count / Resolution : 0.5⁰
Location : Inclined Test Apparatus

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 16

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Profile Projector	Meeratezar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 56

Parameter Angle

S. No.	UUC Value (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	5 Degree	4.97 Degree	0.03	0.60	1.8
2	10 Degree	9.95 Degree	0.05	0.50	
3	30 Degree	29.92 Degree	0.08	0.27	
4	90 Degree	89.91 Degree	0.09	0.10	
5	180 Degree	179.88 Degree	0.12	0.07	



C.P. Saxena
29/12/2020
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122903

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Spring Hammer	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: 0 - 5 Joule	Type	: ---
Least Count / Resolution	: 0.5 Joule	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 17

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Load Testing M/c 2500 N	ESL	CC220920000000088F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

Parameter Mass

S. No.	UUC Value (S)	Jule	Avg. Standard Value (M)	Jule	Error (S-M)	% Error	(±)MU** %
1	0.5		0.508		-0.008	1.6	2.4
2	1.0		1.013		-0.013	1.3	
3	3.0		3.029		-0.029	1.0	
4	5.0		5.084		-0.084	1.7	



C.P. SAXENA
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*C.P. SAXENA
29/12/2020*

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122904

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020

Calibrated on : 29/12/2020

Calibration Due on : 28/12/2021

Issued on : 29/12/2020

Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Micrometer

Make / Model : ---

Range : As per Instrument

Least Count / Resolution : As per Instrument

Location : Lab

Serial No. : ---

Accuracy : ---

Type : ---

Condition of Equip. : Normal

Equip. / Party ID : 18

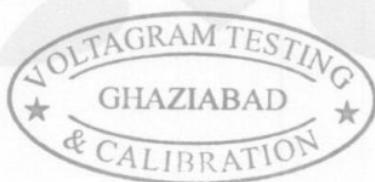
Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	CC266019000000902F	Tanson, Faridbad	10/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter Dimension

S. No.	Standard Value (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU** %
1	0.0 mm	0.00 mm	0.00	0.00	1.8
2	2.0 mm	2.00 mm	0.00	0.00	
3	5.0 mm	5.00 mm	0.00	0.00	
4	10.0 mm	10.03 mm	0.03	0.30	
5	25.0 mm	25.05 mm	0.05	0.20	



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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122905

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
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Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Dig. Preset Counter Meter	Serial No.	: 0121737
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 999999 Count	Type	: ---
Least Count / Resolution	: 1 Count	Condition of Equip.	: Normal
Location	: Flexing Test Apparatus 180°	Equip. / Party ID	: 23

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Techometer	Lutron	CC220920000000086F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.8		0.4	0.40	2.1
2	501		499.6		1.1	0.22	
3	5001		4998.2		2.7	0.05	
4	9000		8999.3		1.1	0.01	



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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122906

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Dig. Preset Counter Meter	Serial No.	: 0121738
Make / Model	: EKTA	Accuracy	: +/- 1.0%
Range	: 0 - 999999 Count	Type	: ---
Least Count / Resolution	: 1 Count	Condition of Equip.	: Normal
Location	: Flexing Test Apparatus 90°	Equip. / Party ID	: 26

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Techometer	Lutron	CC220920000000086F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.9		0.3	0.30	2.1
2	501		499.8		0.9	0.18	
3	5001		4998.5		2.4	0.05	
4	9000		8999.3		1.1	0.01	



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29/12/2020*

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122907

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020

Calibrated on : 29/12/2020

Calibration Due on : 28/12/2021

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Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dead Weight
Make / Model : ---
Range : As per Instrument
Least Count / Resolution : As per Instrument
Location : Cord Grip Test Apparatus

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 27

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weighing Balance, 100 kg	Weight Next	CC22092000000085F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

Parameter Mass

S. No.	Avg. Standard Value (M) N	UUC Value (S) N	Error (S-M)	% Error	(±)MU** %
1	59.91	60	0.09	0.15	1.8



C.P. SAXENA
29/12/2020
C.P. SAXENA
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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122908

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Measuring Tape	Serial No.	: ---
Make / Model	: Local	Accuracy	: ---
Range	: 0 - 3000 mm	Type	: ---
Least Count / Resolution	: 1 mm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 28

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Profile Projector	Meeratzar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter Dimension

S. No.	UUC Value (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	100 mm	99.91 mm	0.09	0.09	1.8
2	500 mm	501.05 mm	-1.05	0.21	
3	1000 mm	1001.08 mm	-1.08	0.11	
4	3000 mm	3002.05 mm	-2.05	0.07	



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C.P. SAXENA
29/12/2020

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122909

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
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Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Torque Screw Driver	Serial No.	: ---
Make / Model	: MSD15	Accuracy	: ---
Range	: 0.1 - 1.5	Type	: ---
Least Count / Resolution	: 0.2	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 30

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weight Box	Weightron	CC220920000000093F	UTC, Karnal	08/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 40

Parameter Torque

S. No.	UUC Value (S) Nm	Avg. Standard Value (M) Nm	Error (S-M)	% Error	(±)MU** %
1	0.1	0.101	-0.001	1.0	1.3
2	0.5	0.503	-0.003	0.6	
3	1.0	1.002	-0.002	0.2	
4	1.5	1.505	-0.005	0.3	



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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122910

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
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Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Torque Wrench	Serial No.	: ---
Make / Model	: Insize	Accuracy	: ---
Range	: 3 - 14 Nm	Type	: ---
Least Count / Resolution	: 0.5 Nm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 33

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weight Box	Weightron	CC220920000000093F	UTC, Karnal	08/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 40

Parameter Torque

S. No.	UUC Value (S) Nm	Avg. Standard Value (M) Nm	Error (S-M)	% Error	(±)MU** %
1	3.0	3.05	-0.05	1.7	1.4
2	5.0	5.08	-0.08	1.6	
3	10.0	10.15	-0.15	1.5	
4	14.0	14.18	-0.18	1.3	



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29/12/2020*
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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122911

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
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Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Filler Gauge	Serial No.	: ---
Make / Model	: Insize	Accuracy	: ---
Range	: 0.03 - 1.00 mm	Type	: ---
Least Count / Resolution	: 0.03	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 34

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Micrometer	Insize	CC22092000000059F	UTC, Karnal	19/02/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter Dimension

S. No.	UUC Value, mm	Standard reading, mm	S. No.	UUC Value, mm	Standard reading, mm
1	0.03	0.032	13	0.45	0.452
2	0.06	0.061	14	0.50	0.501
3	0.07	0.070	15	0.55	0.553
4	0.08	0.082	16	0.60	0.601
5	0.09	0.092	17	0.65	0.650
6	0.10	0.102	18	0.70	0.702
7	0.15	0.153	19	0.75	0.752
8	0.20	0.202	20	0.80	0.801
9	0.25	0.251	21	0.85	0.849
10	0.30	0.302	22	0.90	0.901
11	0.35	0.352	23	0.95	0.952
12	0.40	0.403	24	1.00	1.001

(±)MU** 1.2%



C.P. SAXENA
APPROVED BY (QM/TM)

*C.P. SAXENA
29/12/2020*

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VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122912

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

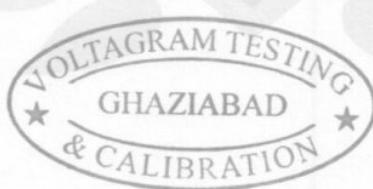
Instrument Name	: Dig. Vernier Calliper	Serial No.	: ---
Make / Model	: Insize	Accuracy	: ---
Range	: 0 - 300 mm	Type	: ---
Least Count / Resolution	: 0.02 mm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 35

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	CC266019000000902F	Tanson, Faridbad	10/03/2021
2	Profile Projector	Meeratezar	UTC/2019-2020/03200202	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter	Dimension	Error in Micron			(±)MU** %
		OD	ID	Depth	
1	20 mm	0	0	0	0.45
2	50 mm	0	0	0	
3	100 mm	0	0	0	
4	150 mm	0	0	5	
5	300 mm	0	0	15	



C.P. SAXENA
APPROVED BY (QM/TM)

*(P. Saxena
29/12/2020)*

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122913

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Micrometer	Serial No.	: ---
Make / Model	: Insize	Accuracy	: ---
Range	: 0 - 25 mm	Type	: ---
Least Count / Resolution	: 0.001 mm	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 36

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Slip Gauge Block Set	Insize	CC266019000000902F	Tanson, Faridbad	10/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 35

Parameter Dimension

S. No.	Standard Value (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU** %
1	0.0 mm	0.00 mm	0.00	0.00	1.8
2	2.0 mm	2.00 mm	0.00	0.00	
3	5.0 mm	5.00 mm	0.00	0.00	
4	10.0 mm	10.05 mm	0.05	0.50	
5	25.0 mm	25.04 mm	0.04	0.16	



C.P. SAXENA
APPROVED BY (QM/TM)

C.P. SAXENA
29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122914

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Ball Pressure Apparatus	Serial No.	: ---
Make / Model	: ---	Accuracy	: ---
Range	: 20 N	Type	: ---
Least Count / Resolution	: --- N	Condition of Equip.	: Normal
Location	: Lab	Equip. / Party ID	: 42

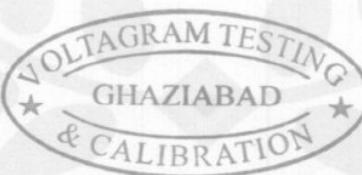
Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Weighing Balance, 5 kg	Weight Next	CC22092000000084F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 39

Parameter Mass

S. No.	Avg. Standard Value (M) N	UUC Value (S) N	Error (S-M)	% Error	(±)MU** %
1	20.05	20	-0.05	0.25	1.8



C.P. Saxena
29/12/2020
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122915

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Dig. Preset Counter Meter	Serial No.	: ---
Make / Model	: Heatcon	Accuracy	: ---
Range	: 0 - 999999 Count	Type	: ---
Least Count / Resolution	: 1 Count	Condition of Equip.	: Normal
Location	: Drop Test Apparatus 20 Fall	Equip. / Party ID	: 48

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Techometer	Lutron	CC22092000000086F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.6		0.6	0.60	2.1
2	501		499.4		1.3	0.26	
3	5000		4998.2		1.8	0.04	
4	9000		8996.2		4.2	0.05	



(P.Saxena)
29/12/2020
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122916

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name	: Dig. Preset Counter Meter	Serial No.	: ---
Make / Model	: Heatcon	Accuracy	: ---
Range	: 0 - 999999 Count	Type	: ---
Least Count / Resolution	: 1 Count	Condition of Equip.	: Normal
Location	: Drop Test Apparatus 5 Fall	Equip. / Party ID	: 51

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Techometer	Lutron	CC220920000000086F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.7		0.5	0.50	2.1
2	501		499.6		1.1	0.22	
3	5001		4997.4		3.5	0.07	
4	9000		8996.2		4.2	0.05	



C.P. SAXENA
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*(P. Saxena)
29/12/2020*

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CALIBRATION CERTIFICATE

Certificate No. VTC/OEG/ 2020122917

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Counter Meter
Make / Model : EKTA
Range : 0 - 999999 Count
Least Count / Resolution : 1 Count
Location : Endurance Test Panel

Serial No. : 0121739
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 56

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Techometer	Lutron	CC220920000000086F	UTC, Karnal	01/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 41

Parameter Count/Revolution

S. No.	UUC Value (S)	Count	Avg. Standard Value (M)	Count	Error (S-M)	% Error	(±)MU** %
1	100		99.7		0.5	0.50	2.1
2	500		499.6		0.4	0.08	
3	5002		4998.4		3.6	0.07	
4	9003		8997.2		5.8	0.06	



C.P. SAXENA
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*(P. Saxena
29/12/2020)*

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VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1597 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Volt Meter
Make / Model : EKTA
Range : 0 - 99.9 V
Least Count / Resolution : 0.01 V
Location : Lab, Finger Test



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121717
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 1

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	20.00 V	20.026 V	-0.026	0.13	0.01 V
2	50.00 V	50.053 V	-0.053	0.11	0.03 V
3	70.00 V	70.121 V	-0.121	0.17	0.04 V
4	90.00 V	90.168 V	-0.168	0.19	0.06 V



C.P. SAXENA
APPROVED BY (QM/TM)

(P.Saxena)
29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1598 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Volt Meter
Make / Model : EKTA
Range : 0 - 600 V
Least Count / Resolution : 0.1 V
Location : Lab, Power Input & Current



NABL ACCREDITED
CC-2935

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121718
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 2

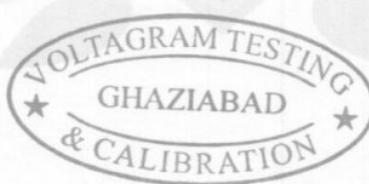
Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.124 V	-0.124	0.12	0.08 V
2	200.0 V	200.316 V	-0.316	0.16	0.13 V
3	300.0 V	300.570 V	-0.570	0.19	0.19 V
4	550.0 V	551.638 V	-1.638	0.30	0.35 V



C.P. SAXENA
APPROVED BY (QM/TM)

(P. Saxena)
29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1599 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Ampere Meter
Make / Model : EKTA
Range : 0 - 20/5 A
Least Count / Resolution : 0.01 A
Location : Lab, Power Input & Current



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121719
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 3

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Description of Standard /R	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	4.00 A	1.0014 A	4.006 A	-0.006	0.14	0.02 A
2	8.00 A	2.0046 A	8.018 A	-0.018	0.23	0.01 A
3	12.00 A	3.0084 A	12.034 A	-0.034	0.28	0.02 A
4	20.00 A	5.0176 A	20.070 A	-0.070	0.35	0.04 A



(P.Saxena)
29/12/2020
C.P. SAXENA
APPROVED BY (QM/TM)

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1600 F
Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Watt Meter
Make / Model : EKTA
Range : 0 - 5000 W
Least Count / Resolution : 1 W
Location : Lab, Power Input & Current



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121720
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 4

Description of Standard / Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 20

Parameter Wattage @ 50 Hz, UPF

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	120 W	120.38 W	-0.38	0.32	1.3
2	1200 W	1202.84 W	-2.84	0.24	1.3
3	2400 W	2405.26 W	-5.26	0.22	1.3
4	4500 W	4506.64 W	-6.64	0.15	1.3
5	5000 W	5008.48 W	-8.48	0.17	1.3



C.P. SAXENA
APPROVED BY (QM/TM)

(P. SAXENA
29/12/2020)

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VOLTAGRAM TESTING & CALIBRATION

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1601 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP



NABL ACCREDITED
CC-2935

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller
Make / Model : ---
Range : Ambient to 350 °C
Least Count / Resolution : 1 °C
Location : Lab, Temperature Rise Test

Serial No. : ---
Accuracy : ---
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 5

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50 °C	49.770 °C	0.230	0.46	0.58 °C
2	100 °C	99.730 °C	0.270	0.27	0.58 °C
3	150 °C	149.840 °C	0.160	0.11	0.59 °C
4	200 °C	199.790 °C	0.210	0.11	0.59 °C
5	250 °C	249.710 °C	0.290	0.12	0.58 °C



C.P. SAXENA
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*(P. Saxena
29/12/2020)*

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC – Device Under Calibration / Unit Under Calibration; 6) * Not covered under NABL Scope. Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QP/19}



VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1602 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : IR Tester
Make / Model : IE
Range : 2 MΩ - ∞
Least Count / Resolution : As per Instrument
Location : Lab, Insulation Resistance



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 6

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	HV Megaohm Box	Voltagram / 1G	CC293520000000978F	VTC, Ghaziabad	28/08/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 18

Parameter Insulation Resistance @ 500VDC

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	% Error	(±)MU**
1	2.0004 MΩ	2 MΩ	-0.0004	0.02	1.2 MΩ
2	5.0075 MΩ	5 MΩ	-0.0075	0.15	1.2 MΩ
3	10.0019 MΩ	10 MΩ	-0.0019	0.02	0.3 MΩ
4	50.0246 MΩ	50 MΩ	-0.0246	0.05	1.3 MΩ
5	100.0125 MΩ	100 MΩ	-0.0125	0.01	2.5 MΩ



C.P. SAXENA
29/12/2020
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1603 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Milli Ampere Meter
Make / Model : EKTA
Range : 0 - 20 mA
Least Count / Resolution : 0.01 mA
Location : AC High Voltage Tester



Serial No. : 0121721
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 7

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	5.00 mA	5.008 mA	-0.008	0.17	0.029 mA
2	10.00 mA	10.022 mA	-0.022	0.22	0.057 mA
3	15.00 mA	15.037 mA	-0.037	0.25	0.086 mA
4	20.00 mA	20.055 mA	-0.055	0.28	0.11 mA



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*C.P. SAXENA
29/12/2020*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1604 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : kV Meter
Make / Model : EKTA
Range : 0 - 3 kV
Least Count / Resolution : 0.01 kV
Location : AC High Voltage Tester



Serial No. : 0121722
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 8

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	HV Probe With DMM	Fluke / 80K40	CS8384/1	C S, Delhi	18/06/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 26

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 kV	1.002 kV	-0.002	0.22	0.08 kV
2	2.00 kV	2.006 kV	-0.006	0.31	0.15 kV
3	3.00 kV	3.012 kV	-0.012	0.39	0.23 kV



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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1605 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Stop Watch
Make / Model : Racer
Range : 0 - 24 Hr
Least Count / Resolution : 0.01 s
Location : Lab



Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 9

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	10.00 s	9.966 s	0.034	0.34	0.072 s
2	60.00 s	59.873 s	0.127	0.21	0.072 s
3	600.00 s	599.543 s	0.457	0.08	0.072 s



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*C.P. SAXENA
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Certificate / ULR No. CC29352000000 1606 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller
Make / Model : Heatcon
Range : 0 - 99.9 °C
Least Count / Resolution : 0.1 °C
Location : Humidity Chamber



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Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : ---
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 10

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	10.0 °C	10.026 °C	-0.026	0.26	0.26 °C
2	30.0 °C	30.104 °C	-0.104	0.35	0.26 °C
3	60.0 °C	60.236 °C	-0.236	0.39	0.26 °C
4	95.0 °C	95.420 °C	-0.420	0.44	0.26 °C



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29/12/2020

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1607 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Hour Meter
Make / Model : Krish
Range : 0 - 99999.99 Hr
Least Count / Resolution : 0.01 Hr
Location : Humidity Chamber



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 12

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1800 s	1802.6 s	-2.6	0.14	21 s
2	3600 s	3603.0 s	-3.0	0.08	21 s



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29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1608 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 500 V
Least Count / Resolution : 0.1 V
Location : Flexing Test Apparatus 180°



Serial No. : 0121723
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 21

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.13 V	-0.13	0.13	0.09 V
2	200.0 V	200.32 V	-0.32	0.16	0.13 V
3	300.0 V	300.64 V	-0.64	0.21	0.19 V
4	490.0 V	491.82 V	-1.82	0.37	0.32 V



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29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1609 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : EKTA
Range : 0 - 20/5 A
Least Count / Resolution : 0.01 A
Location : Flexing Test Apparatus 180°



Serial No. : 0121724
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 22

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Description of Standard /R	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	4.00 A	1.003 A	4.011 A	-0.011	0.28	0.023 A
2	8.00 A	2.007 A	8.028 A	-0.028	0.35	0.014 A
3	12.00 A	3.013 A	12.050 A	-0.050	0.42	0.022 A
4	20.00 A	5.024 A	20.097 A	-0.097	0.48	0.036 A



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VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1610 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1



Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 500 V
Least Count / Resolution : 0.1 V
Location : Flexing Test Apparatus 90°

Serial No. : 0121725
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 24

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.16 V	-0.16	0.16	0.09 V
2	200.0 V	200.38 V	-0.38	0.19	0.13 V
3	300.0 V	300.75 V	-0.75	0.25	0.19 V
4	490.0 V	491.93 V	-1.93	0.39	0.32 V



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C.P. SAXENA
29/12/2020

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7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QP/19}



VOLTAGRAM TESTING & CALIBRATION

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1611 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP



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CC-2935

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : EKTA
Range : 0 - 15 A
Least Count / Resolution : 0.01 A
Location : Flexing Test Apparatus 90°

Serial No. : 0121726
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 25

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 A	0.986 A	0.014	1.40	0.01 A
2	5.00 A	4.967 A	0.033	0.66	0.03 A
3	10.00 A	9.982 A	0.018	0.18	0.06 A
4	15.00 A	14.965 A	0.035	0.23	0.03 A



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APPROVED BY (QM/TM)

C.P. SAXENA
29/12/2020

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC – Device Under Calibration / Unit Under Calibration; 6) * Not covered under NABL Scope, Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QF/19}



VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1612 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Micro Ohm Meter
Make / Model : IE
Range : 0 - 19.9 Ω
Least Count / Resolution : As per Instrument
Location : Lab



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 29

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Standard Resistance Box	Voltagram / SRB01	CC293520000000622F	VTC, Ghaziabad	01/07/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 18

Parameter Resistance

S. No.	Standard Reading (M)	Avg. UUC Reading (S)	Error (S-M)	Error %	(±)MU** %
1	1.003 Ω	1.00 Ω	-0.003	-0.30	1.8
2	2.004 Ω	2.02 Ω	0.016	0.79	2.2
3	5.003 Ω	5.04 Ω	0.037	0.73	1.8
4	10.024 Ω	10.12 Ω	0.096	0.95	1.8



C.P. SAXENA
29/12/2020
C.P. SAXENA
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VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1613 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 9.99 V
Least Count / Resolution : 0.01 V
Location : Lab, ECRT



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121727
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 31

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.00 V	1.003 V	-0.003	0.30	0.006 V
2	3.00 V	3.006 V	-0.006	0.19	0.006 V
3	6.00 V	6.018 V	-0.018	0.31	0.006 V
4	9.00 V	9.037 V	-0.037	0.41	0.009 V



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C.P. SAXENA
29/12/2020

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC - Device Under Calibration / Unit Under Calibration; 6) * Not covered under NABL Scope, Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QF/19}



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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1614 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ammeter
Make / Model : EKTA
Range : 0 - 30/5 A
Least Count / Resolution : 0.1 A
Location : Lab, ECRT



Serial No. : 0121728
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 32

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	6.0 A	1.008 A	6.046 A	-0.046	0.76	0.06 A
2	18.0 A	3.012 A	18.074 A	-0.074	0.41	0.06 A
3	30.0 A	5.018 A	30.107 A	-0.107	0.36	0.06 A



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29/12/2020
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1615 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : Heatcon
Range : 0 - 200/5 A
Least Count / Resolution : 0.1 A
Location : Glow Wire Test Apparatus



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CC-2935

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 37

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	s 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	40.0 A	1.006 A	40.24 A	-0.24	0.60	0.23 A
2	80.0 A	2.014 A	80.56 A	-0.56	0.70	0.14 A
3	120.0 A	3.016 A	120.64 A	-0.64	0.53	0.22 A
4	200.0 A	5.034 A	201.36 A	-1.36	0.68	0.36 A



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1/Plaera
29/12/2020

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1616 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP



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CC-2935

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller
Make / Model : Heatcon
Range : 0 - 1200 °C
Least Count / Resolution : 1 °C
Location : Glow Wire Test Apparatus

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : +/- 1.0%
Type : K-Type
Condition of Equip. : Normal
Equip. / Party ID : 38

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	500 °C	501.58 °C	-1.58	0.32	0.66 °C
2	700 °C	702.38 °C	-2.38	0.34	0.66 °C
3	900 °C	903.50 °C	-3.50	0.39	0.65 °C
4	1100 °C	1103.52 °C	-3.52	0.32	0.74 °C



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C.P. SAXENA
29/12/2020

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1617 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1



Description of Equipment / Instrument

Instrument Name : Dig. Timer Controller
Make / Model : Mac
Range : 0 - 99.9 s
Least Count / Resolution : 0.1 s
Location : Glow Wire Test Apparatus

Serial No. : ---
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 39

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	30.0 s	30.068 s	-0.068	0.23	0.071 s
2	60.0 s	60.154 s	-0.154	0.26	0.064 s
3	90.0 s	90.282 s	-0.282	0.31	0.094 s



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*(P. Saxena
29/12/2020)*

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VOLTAGRAM TESTING & CALIBRATION

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1618 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP



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CC-2935

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Controller
Make / Model : ---
Range : 0 - 300 °C
Least Count / Resolution : 0.1 °C
Location : Electric Hot Air Oven

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : ---
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 40

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50.0 °C	50.064 °C	-0.064	0.13	0.26 °C
2	100.0 °C	100.180 °C	-0.180	0.18	0.26 °C
3	200.0 °C	200.436 °C	-0.436	0.22	0.26 °C
4	300.0 °C	300.784 °C	-0.784	0.26	0.26 °C



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*C.P. SAXENA
29/12/2020*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1619 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1



Description of Equipment / Instrument

Instrument Name : Analog Hour Meter
Make / Model : Krish
Range : 0 - 99999.99 Hr
Least Count / Resolution : 0.01 Hr
Location : Electric Hot Air Oven

Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 41

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1800 s	1802.6 s	-2.6	0.14	21 s
2	3600 s	3603.0 s	-3.0	0.08	21 s



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C.P. SAXENA
29/12/2020

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1620 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1



Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 300 V
Least Count / Resolution : 0.1 V
Location : Drop Test Apparatus 20 Fall

Serial No. : 0121729
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 46

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.364 V	-0.364	0.36	0.09 V
2	200.0 V	200.536 V	-0.536	0.27	0.13 V
3	300.0 V	300.612 V	-0.612	0.20	0.23 V



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C.P. SAXENA
29/12/2020

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VOLTAGRAM TESTING & CALIBRATION

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MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1621 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : EKTA
Range : 0 - 5 A
Least Count / Resolution : 0.001 A
Location : Drop Test Apparatus 20 Fall



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121730
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 47

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.000 A	1.0026 A	-0.0026	0.26	0.006 A
2	3.000 A	3.0114 A	-0.0114	0.38	0.005 A
3	5.000 A	5.0224 A	-0.0224	0.45	0.009 A



C.P. SAXENA
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*C.P. Saxena
29/12/2020*

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VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1622 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 300 V
Least Count / Resolution : 0.1 V
Location : Drop Test Apparatus 5 Fall



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121731
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 49

Description of Standard / Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.164 V	-0.164	0.16	0.08 V
2	200.0 V	200.442 V	-0.442	0.22	0.13 V
3	300.0 V	300.826 V	-0.826	0.28	0.19 V
4	300.0 V	299.664 V	0.336	0.11	0.19 V



C.P. SAXENA
APPROVED BY (QM/TM)

*C.P. SAXENA
29/12/2020*

Note:- 1) Calibration temperature:- 25±2°C; Relative Humidity:- 45 to 75%; 2) The calibration results reported in this calibration certificate are valid at the time of & under stated condition; 3) This certificate cannot be reproduced except in full without our prior permission in writing; 4) This certificate refers only to the particular item(s) submitted for calibration; 5) DUC/UUC – Device Under Calibration / Unit Under Calibration; 6) * Not covered under NABL Scope, Measurements are traceable to National standards through unbroken chain of calibration from NABL accredited/Competent laboratory; 7) **Measurement of Uncertainty at approx 95.45% confidence level and coverage factor k=2. {Revision-02, Revision Date-22/02/2020, VTC/QP/19}



VOLTAGRAM TESTING & CALIBRATION

Plot No.-C 88&89, Sector:- B3, TDS City, Ghaziabad, UP, Pin 201 103
MOBILE:- 09717318883, E-MAIL: voltagramindia@gmail.com



CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1623 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Ampere Meter
Make / Model : EKTA
Range : 0 - 5 A
Least Count / Resolution : 0.001 A
Location : Drop Test Apparatus 5 Fall



Serial No. : 0121732
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 50

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1.000 A	1.0016 A	-0.0016	0.16	0.006 A
2	3.000 A	3.0084 A	-0.0084	0.28	0.005 A
3	5.000 A	5.0176 A	-0.0176	0.35	0.009 A



C.P. SAXENA
APPROVED BY (QM/TM)

C.P. SAXENA
29/12/2020

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1624 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP



NABL ACCREDITED
CC-2935

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Indicator
Make / Model : Thita
Range : 0 - 600 °C
Least Count / Resolution : 1 °C
Location : Iron Temp. Distribution System 5 Sensor

Serial No. : ---
Accuracy : +/- 1.0%
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 52

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50 °C	50.10 °C	-0.10	0.20	0.59 °C
2	100 °C	100.44 °C	-0.44	0.44	0.59 °C
3	200 °C	200.74 °C	-0.74	0.37	0.59 °C
4	400 °C	400.86 °C	-0.86	0.21	0.59 °C
5	550 °C	551.64 °C	-1.64	0.30	0.60 °C



C.P. SAXENA
29/12/2020

C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1625 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP



NABL ACCREDITED
CC-2935

Description of Equipment / Instrument

Instrument Name : Dig. Temperature Indicator
Make / Model : Thita
Range : 0 - 600 °C
Least Count / Resolution : 1 °C
Location : Iron Temp. Distribution System 1 Sensor

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : ---
Accuracy : +/- 1.0%
Type : RTD(PT-100)
Condition of Equip. : Normal
Equip. / Party ID : 53

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 19

Parameter Temperature

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	50 °C	50.06 °C	-0.06	0.12	0.59 °C
2	100 °C	100.28 °C	-0.28	0.28	0.59 °C
3	200 °C	200.52 °C	-0.52	0.26	0.59 °C
4	400 °C	400.86 °C	-0.86	0.21	0.59 °C
5	550 °C	551.64 °C	-1.64	0.30	0.60 °C



*C.P. SAXENA
29/12/2020*
C.P. SAXENA
APPROVED BY (QM/TM)

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1626 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Volt Meter
Make / Model : EKTA
Range : 0 - 600 V
Least Count / Resolution : 0.1 V
Location : Endurance Test Panel



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121733
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 54

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 16

Parameter AC Voltage @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	100.0 V	100.144 V	-0.144	0.14	0.08 V
2	200.0 V	200.376 V	-0.376	0.19	0.13 V
3	300.0 V	300.670 V	-0.670	0.22	0.19 V
4	550.0 V	551.726 V	-1.726	0.31	0.35 V



C.P. SAXENA
29/12/2020
C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1627 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Description of Equipment / Instrument

Instrument Name : Ampere Meter
Make / Model : EKTA
Range : 0 - 20/5 A
Least Count / Resolution : 0.01 A
Location : Lab



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121734
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 55

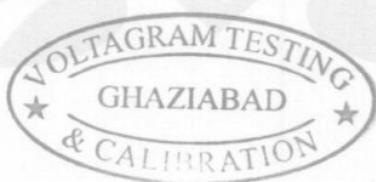
Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Description of Standard /R	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 17

Parameter AC Current @ 50 Hz

S. No.	UUC Reading (S)	Avg. Standard Reading	Proportionate Value (M)	Error (S-M)	Error %	(±)MU**
1	4.00 A	1.0022 A	4.009 A	-0.009	0.22	0.023 A
2	8.00 A	2.0076 A	8.030 A	-0.030	0.38	0.014 A
3	12.00 A	3.0132 A	12.053 A	-0.053	0.44	0.022 A
4	20.00 A	5.0244 A	20.098 A	-0.098	0.49	0.036 A



C.P. SAXENA
APPROVED BY (QM/TM)

*(P.Saxena
29/12/2020)*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1628 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Digital Timer (On/Off)
Make / Model : EKTA
Range : 0 - 999.9 Minute
Least Count / Resolution : 0.1 Minute
Location : Endurance Test Panel



Serial No. : 0121735
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 57

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	(±)MU**
1	60.0 s	59.887 s	0.11	3.5 s
2	300.0 s	299.872 s	0.13	3.5 s
3	600.0 s	599.853 s	0.15	3.5 s



C.P. SAXENA
APPROVED BY (QM/TM)

*C.P. SAXENA
29/12/2020*

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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1629 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63
Noida, UP

Description of Equipment / Instrument

Instrument Name : Dig. Watt Meter
Make / Model : EKTA
Range : 0 - 2000 W
Least Count / Resolution : 1 W
Location : Endurance Test Panel



Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Serial No. : 0121736
Accuracy : +/- 1.0%
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 58

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Multi Function Calibrator	Fluke / 5502A	AIPL/2020/0110	Ashaankan, Noida	13/03/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 20

Parameter Wattage @ 50 Hz, UPF

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU** %
1	100 W	100.14 W	-0.14	0.14	1.3
2	500 W	501.34 W	-1.34	0.27	1.3
3	1000 W	1003.54 W	-3.54	0.35	1.3
4	2000 W	2004.74 W	-4.74	0.24	1.3

C.P. SAXENA
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CALIBRATION CERTIFICATE

Certificate / ULR No. CC29352000000 1630 F

Calibrated for (Name & Address)

M/s. Onkar Engine & Generator Pvt. Ltd.

E - 14, Sector - 63

Noida, UP

Received on : 29/12/2020
Calibrated on : 29/12/2020
Calibration Due on : 28/12/2021
Issued on : 29/12/2020
Page(s) : 1 of 1

Description of Equipment / Instrument

Instrument Name : Hour Meter
Make / Model : Krish
Range : 0 - 99999.99 Hr
Least Count / Resolution : 0.01 Hr
Location : Endurance Test Panel



Serial No. : ---
Accuracy : ---
Type : ---
Condition of Equip. : Normal
Equip. / Party ID : 59

Description of Standard /Reference Equipment(s) / Instrument(s) used for calibration

S. No.	Nomenclature	Make / Model	Certificate No.	Calibrated By	Cal. Due on
1	Time Interval Calibrator	Voltagram / TIC01	CC221620000001340F	C & I, Jaipur	24/09/2021

Reference Standard/Specification	Calibration Performed at	Calibration Procedure
Direct Method	Lab	VTC/QP/ 25

Parameter Time Interval

S. No.	UUC Reading (S)	Avg. Standard Reading (M)	Error (S-M)	% Error	(±)MU**
1	1800 s	1802.6 s	-2.6	0.14	21 s
2	3600 s	3603.0 s	-3.0	0.08	21 s

C.P. SAXENA
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