National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/02/2021 to 15/02/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL- CELLS & BATTERIES	Lead acid cells or batteries	Capacity test (1h & 20 h)	DIN 43539-5, First Edition 1984 Cl. No.: 8.2
2	ELECTRICAL- CELLS & BATTERIES	Lead acid cells or batteries	Deep-discharge	DIN 43539-5, First Edition, Cl. No.: 8.5
3	ELECTRICAL- CELLS & BATTERIES	Lead acid cells or batteries	Durability in cycle	DIN 43539-5, First Edition, Cl. No. 8.3
4	ELECTRICAL- CELLS & BATTERIES	Lead acid cells or batteries	Self-discharge	DIN 43539-5, First Edition ,Cl. No. 8.4
5	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Electrolyte Retention Test	IEC: 62259 :2003, Cl.No. 7.8
6	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	20 second Pulse Discharge	JSS 6140-10 : 2007, Cl.No. 10.4.18, Revised
7	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	20 second Pulse Discharge	JSS 6140-10 : 2007, Cl.No. 4.19, Revised
8	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	20 second Pulse Discharge	JSS 6140-14 : 2010, Cl.No. 4.19, Revised
9	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	20 Second Pulse Discharge	JSS 6140-19 :2010, Cl.No. 4.19, Revised
10	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	20 Second Pulse Discharge	MIL-PRF- 81757 Rev D, 1999 (Amendment 4) Cl.No. 4.5.20
11	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Capacity Discharge test at 1 Hr rate (Nominal)	JSS 6140-10 :2007,Cl.No. 10.4.10, Revised
12	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Capacity Discharge test at 1 Hr rate (Nominal)	JSS 6140-13, Cl.No. 4.11
13	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Capacity Discharge test at 1 Hr rate (Nominal)	JSS 6140-14 : 2010, Cl.No. 4.11, Revised
14	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Capacity Discharge test at 1 Hr rate (Nominal)	JSS 6140-19: 2010, Cl.No. 4.11, Revised
15	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Constant Voltage Discharge	JSS 6140-10 :2007, Cl.No.10.4.20, Revised
16	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Constant Voltage Discharge	JSS 6140-13 :2010, Cl.No. 4.21
17	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Constant Voltage Discharge	JSS 6140-14 :2010, Cl.No. 4.21, Revised
18	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Constant Voltage Discharge	JSS 6140-19 :2010, Cl.No. 4.21,Revised

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Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Constant Voltage Discharge	MIL- PRF-81757 Rev D : 1999, Cl.No. 4.5.22, (Amendment 4)
20	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Cycling	JSS 6140-10:2007, Cl.No.10.4.21, Revised
21	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Cycling	JSS 6140-13 : 2010, Revised
22	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Cycling	JSS 6140-14 :2010, Cl.No. 4.22, Revised
23	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Cycling	JSS 6140-19: 2010, Cl.No. 4.22, Revised
24	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Cycling	MIL-PRF-81757, Rev D :1999, Cl.No. 4.5.23 , Amendment 4
25	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Engine Cranking Ability & Emergency Load	JSS 6140-13:2010,Cl No. 4.30
26	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Engine Cranking Ability & Emergency Load	JSS 6140-14:2010, Cl.No. 4.30 & 4.31,Revised
27	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Engine Cranking Ability & Emergency Load	JSS 6140-19 : 2010, Cl.No. 4.30 & 4.31,Revised
28	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Humidity and Charge Retention	JSS 6140-10 :2007, Cl.No.10.4.12, Revised
29	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Humidity and Charge Retention	JSS 6140-13:2010, Cl.No. 4.13, Revised
30	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Humidity and Charge Retention	JSS 6140-14:2010, Cl.No. 4.13, Revision
31	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Humidity and Charge Retention	JSS 6140-19:2010, Cl.No. 4.13, Revised
32	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Humidity and Charge Retention	MIL-PRF- 81757 Rev D :1999, Cl.No. 4.5.14 ,(Amendment 4)
33	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Initial Capacity Discharge	MIL-PRF- 81757 Rev D : 1999, Cl.No. 4.5.13 (Amendment 4)
34	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Medium Rate Operating Position	JSS 6140-10:2007, Cl.No.10.4.19, Revised
35	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Medium Rate Operating Position	JSS 6140-13, Cl.No. 4.20, Revised
36	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Medium Rate Operating Position	JSS 6140-14 :2010, Cl.No. 4.20, Revised
37	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Medium Rate Operating Position	JSS 6140-19 :2010, Cl.No. 4.20, Revised

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38	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Medium Rate Operating Position	MIL-PRF- 81757 Rev D :1999, Cl.No. 4.5.21 (Amendment 4)
39	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Physical Integrity at High Temperature 85°C	JSS 6140-10:2007, Cl.No.10.4.23, Revised
40	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Physical Integrity at High Temperature 85°C	JSS 6140-13 :2010, Cl.No. 4.24
41	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Physical Integrity at High Temperature 85°C	JSS 6140-14 :2010, Cl.No. 4.24, Revised
42	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Physical Integrity at High Temperature 85°C	JSS 6140-19 :2010, Cl.No.: 4.24, Revised
43	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Physical Integrity at High Temperature 85°C	MIL-PRF-81757 Rev D :1999, Cl.No. 4.5.25 ,Amendment 4
44	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shelf Life	JSS 6140-10 :2007, Cl.No.10.4.27, Revised
45	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shelf Life	JSS 6140-13 :2010,Cl.No. 4.28
46	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shelf Life	JSS 6140-14 :2010, Cl.No. 4.28, Revised
47	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shelf Life	JSS 6140-19:2010, Cl.No. 4.28, Revised
48	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shelf Life	MIL -STD-81757, Revision D :1999, Cl.No. 4.5.30,Amendment 4.0
49	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shock (Basic Design)	JSS 6140-10 :2007, Cl.No.: 10.4.13, Revised
50	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shock (Basic Design)	JSS 6140-13:2010, Cl.No. 4.14
51	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shock (Basic Design)	JSS 6140-14:2010, Cl.No. 4.14, Revised
52	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shock (Basic Design)	JSS 6140-19:2010, Cl.No. 4.14, Revised
53	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Shock (Basic Design)	MIL-STD-PRF-81757, Rev D :1999, Cl.No. 4.5.15, Amendment 4
54	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Storage	JSS 6140-10 :2007, Cl.No.10.4.26, Revised
55	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Storage	JSS 6140-13, :2010, Cl.No.: 4.27

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Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
56	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Storage	JSS 6140-14 :2010, Cl.No. 4.27,Revised
57	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Storage	JSS 6140-19 :2010, Cl.No. 4.27, Revised
58	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Storage Effects	MIL-PRF-81757 Rev D :1999, Cl.No.: 4.5.29 (Amendment 4)
59	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Temperature Shock	JSS 6140-10 : 2007, Cl.No. 10.4.15 , Revised
60	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Temperature Shock	JSS 6140-13, 2010, Cl.No. 4.16
61	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Temperature Shock	JSS 6140-14: 2010, Cl.No. 4.16, Revised
62	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Temperature Shock	JSS 6140-19 :2010, Cl.No. 4.16, Revised
63	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Temperature Shock	MIL-STD-PRF-81757,Rev D : 1999, Cl.No. 4.5.17, Amendment 4
64	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Vibration	JSS 6140-10: 2007, Cl.No.10.4.14, Revised
65	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Vibration	JSS 6140-13:2010, Cl.No. 4.15
66	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Vibration	JSS 6140-14 :2010, Cl.No. 4.15, Revised
67	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Vibration	JSS 6140-19:2010,Cl.No. 4.15, Revised
68	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium Aircraft Batteries	Vibration	MIL-STD-PRF- 81757, Rev D :1999, Cl.No. 4.5.16, Amendment 4
69	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Capacity discharge	MIL-PRF-8565, Cl. No. 4.5.7&Table III, Revision K
70	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Capacity discharge at 49° C (120° F)	MIL-PRF-8565, Cl. No. 3.8.6, 4.4.2,4.5.11&Table III ,Revision K
71	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Cold and hot temperature charge test	MIL-PRF-8565, Cl. No. 3.8.17, 4.4.1, 4.4.2 & 4.5.29 , Revision K
72	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Cycling test	MIL-PRF-8565, Cl. No.3.8.9, 4.4.2,4.5.10&Table III , Revision K

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
73	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Discharge while inverted	MIL-PRF-8565,Cl. No. 3.5.9, 4.5.13&Table III , Revision K
74	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium and Lead Acid aircraft batteries	Output performance test	MIL-PRF-8565, Cl. No. 3.8.16, 4.4.1, 4.4.2 & 4.5.28, Revision K
75	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Charge Acceptance at Constant Voltage	IEC: 60622:2002 , Cl.No. 4.5
76	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Charge Acceptance at Constant Voltage	IEC: 62259 :2003, Cl.No. 7.5
77	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Charge Retention	IEC: 60622:2002, Cl.No. 4.3
78	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Charge Retention	IEC: 62259 :2003, Cl.No. 7.3
79	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Determination of Gas Recombination Efficiency	IEC: 62259 :2003, Cl.No. 7.9
80	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Dimensions	IEC: 60622: 2002, Cl.No. 3
81	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Dimensions	IEC: 62259 :2003, Cl.No. 6
82	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (0.2It,rate)	IEC: 60622 :2002, Cl.No. 4.2.2
83	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (0.2It,rate)	IEC: 62259: 2003, Cl.No. 7.2.2
84	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (1.0It,rate)	IEC: 60622:2002, Cl.No. 4.2.2
85	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (1.0It,rate)	IEC: 62259:2003, Cl.No.7.2.2
86	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (2.0It,rate)	IEC: 62259:2003, Cl.No. 7.2.2
87	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (2.0It,rate)	IEC:60622:2002, Cl.No. 4.2.2
88	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (3.0It,rate)	IEC: 60622:002, Cl.No. 4.2.2
89	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at +5°C (3.0It,rate)	IEC: 62259: 2003, Cl.No. 7.2.2
90	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (0.2It,rate)	IEC: 60622:2002, Cl.No. 4.2.3

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91	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (0.2It,rate)	IEC: 62259:2003, Cl.No. 7.2.3
92	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (1.0It,rate)	IEC: 60622:2002, Cl.No. 4.2.3
93	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (1.0It,rate)	IEC: 62259:2003, Cl.No. 7.2.3
94	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (2.0It,rate)	IEC 60622:2002, Cl.No. 4.2.3
95	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (2.0It,rate)	IEC: 62259:2003, Cl.No. 7.2.3
96	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (3.0It,rate)	IEC 60622:2002,Cl.No. 4.2.3
97	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at -18°C (3.0It,rate)	IEC 62259:2003, Cl.No. 7.2.3
98	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (0.2It,rate)	IEC 60622:2002, Cl.No. 4.2.1
99	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (0.2It,rate)	IEC 62259:2003, Cl.No. 7.2.1
100	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (1.0It rate)	IEC 60622:2002, Cl.No. 4.2.1
101	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (1.0It rate)	IEC 62259:2003, Cl.No. 7.2.1
102	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (10.0It rate)	IEC 60622:2002, Cl.No. 4.2.1
103	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (10.0It rate)	IEC 62259:2003, Cl.No. 7.2.1
104	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (5.0It rate)	IEC 60622:2002, Cl.No. 4.2.1
105	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Discharge Performance at 20°C (5.0It rate)	IEC 62259:2003, Cl.No. 7.2.1
106	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Endurance in cycles	IEC 60622:2002, Cl.No. 4.4.1
107	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Endurance in cycles	IEC 62259:2003, Cl.No. 7.4.1
108	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	High Rate Current	IEC 60622:2002,Cl.No. 4.2.4
109	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	High Rate Current	IEC 62259:2003, Cl.No.: 7.2.4

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Laboratory Name :	HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA		
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110	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Marking	IEC 60622:2002, Cl.No. 2.3
111	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Marking	IEC 62259:2003, Cl.No. 5.3
112	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Overcharge	IEC 60622:2002, Cl.No. 4.6
113	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Permanent Charge Endurance	IEC 60622:2002, Cl.No. 4.4.2
114	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Permanent Charge Endurance	IEC 62259:2003, Cl.No. 7.4.2
115	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Storage	IEC 60622:2002, Cl.No. 4.9
116	ELECTRICAL- CELLS & BATTERIES	Nickel cadmium prismatic secondary cells	Storage	IEC 62259:2003, Cl.No. 7.10
117	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Capacity at 1I1 and +50°C	RTCA/DO-293A : 2004, Cl.No. 2.2.5 Amendment
118	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Capacity at 1I1 and –18°C	RTCA/DO-293A :2004, Cl.No. 2.2.3 Amendment
119	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Capacity at 1I1 and –30°C	RTCA/DO-293A : 2004, Cl.No.: 2.2.4 Amendment
120	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Charge & Discharge at –18°C	RTCA/DO-293A : 2004, Cl.No. 2.8.1 , Amendment
121	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Charge & Discharge at –40°C	RTCA/DO-293A :2004,Cl.No.: 2.8.2.2 Amendment
122	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Charge Acceptance at temperature 23°C	RTCA/DO-293A :2004, Cl.No. 2.8.1 Amendment
123	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Charge Retention	RTCA/DO-293A :2004, Cl.No.: 2.4 Amendment
124	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Charge Stability	RTCA/DO-293A :2004, Cl.No. 2.6 Amendment
125	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Constant Voltage Current at -18°C	RTCA/DO-293A : 2004, Cl.No. 2.2.6.2 Amendment
126	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Constant Voltage Current at -30°C	RTCA/DO-293A : 2004,Cl.No. 2.2.6.3 Amendment
127	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Constant Voltage Current at 23°C	RTCA/DO-293A : 2004,Cl.No. 2.2.6.1 Amendment
128	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Cyclic Endurance (for all batteries)	RTCA/DO-293A :2004, Cl.No. 2.12 Amendment

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129	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Deep Discharge	RTCA/DO-293A : 2004,Cl.No. 2.13 Amendment
130	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Duty Cycle Performance (for engine start batteries)	RTCA/DO-293A :2004, Cl.No. 2.10 Amendment
131	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Explosion Containment	RTCA/DO-293A: 2004,Cl.No.3.4 Amendment
132	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Humidity	RTCA/DO-293A : 2004, Cl.No. 3.8 Amendment
133	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Induced Destructive Overcharge,	RTCA/DO-293A : 2004, Cl.No. 2.14 Amendment
134	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Operational Shock and Crash Safety	RTCA/DO-293A : 2004, Cl.No. 3.3 Amendment
135	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Physical Integrity at High Temperature 85°C	RTCA/DO-293A : 2004, Cl.No. 3.11 Amendment
136	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Rapid Discharge Capacity at 23°C	RTCA/DO-293A :2004, Cl.No. 2.3.1 Amendment
137	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Rapid Discharge Capacity at -30°C	RTCA/DO-293A : 2004, Cl.No. 2.3.2 Amendment
138	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Rated Capacity C1	RTCA/DO-293A :2004,Cl.No. 2.2.2 Amendment
139	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Short Circuit	RTCA/DO-293A : 2004, Cl.No. 2.7 Amendment
140	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Storage	RTCA/DO-293A : 2004, Cl.No. 2.5 Amendment
141	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Temperature Shock	RTCA/DO-293A: 2004, Cl.No. 3.6 Amendment
142	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Vibration	RTCA/DO-293A : 2004,Cl.No. 3.1 Amendment
143	ELECTRICAL- CELLS & BATTERIES	Nickel Cadmium, Nickel Metal Hydride and Lead Acid batteries	Water Consumption	RTCA/DO-293A : 2004,Cl.No. 2.11 Amendment
144	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries (Nickel Cadmium and Lead Acid)	Capacity (0.2It rate & It/120	IEC 61427-1, Edition 1.0 b,Cl.No. 8.1
145	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries (Nickel Cadmium and Lead Acid)	Charge Retention	IEC 61427-1, Edition 1.0 b, Cl.No. 8.3
146	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries (Nickel Cadmium and Lead Acid)	Cyclic Endurance Test in Photovoltaic applications (Extreme Conditions)	IEC 61427-1, Edition 1.0 b,Cl.No. 8.4

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147	ELECTRICAL- CELLS & BATTERIES	Secondary cells and batteries (Nickel Cadmium and Lead Acid)	Generic Cyclic Endurance	IEC 61427-1 Edition 1.0 b, Cl.No. 8.2
148	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Actual capacity at the 1 hour discharge rate Ca1	JIS C 8702-1:2009, Cl. Nos. 5.1b & 7.1b
149	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Actual capacity at the 20 hour discharge rate Ca20	JIS C 8702-1:2009, Edition :2009, Cl. Nos.: 5.1a & 7.1a
150	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Charge Retention	IS 16270 : 2014, Cl.No. 8.3 , Revised
151	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Cycle service endurance	JIS C 8702-1, Cl. Nos. 7.3 & 5.3
152	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Cyclic Endurance in Photovoltaic application (extreme conditions)	IS 16270 :2014, Cl.No. 8.4 , RA
153	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Endurance	IS 16270 :2014, Cl.No. 8.2, RA
154	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	High rate discharge characteristics	JIS C 8702-1, Cl. Nos. 7.2 & 5.2
155	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Marking-Visual Examination	JIS C 8702-1, Cl. No.12
156	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Maximum permissible current	JIS C 8702-1, Cl. Nos. 7.5 & 5.5
157	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Rated Capacity	IS 16270 :2014, Cl.No. 8.1, RA
158	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Recovery from Sulphation	IS 16270:2014 ,Cl.No. 8.5, RA
159	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Storage characteristics	JIS C 8702-1, Cl. Nos. 7.4 & 5.4
160	ELECTRICAL- CELLS & BATTERIES	Secondary lead acid cells and batteries	Water loss test on float charge	IS 16270 : 2014, Cl.No.8.6, RA
161	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Behavior in Overcharge	NF F 64-018 :1990, Cl.No. 5.3.3.7
162	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of -18°C (0.2It rate)	NF F 64-018 :1990, Cl.No.: 5.3.3.3
163	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of -18°C (1.0It rate)	NF F 64-018:1990, Cl.No. 5.3.3.3

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164	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of -18°C (2.0It rate)	NF F 64-018:1990, Cl.No. 5.3.3.3
165	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of -18°C (5.0It rate)	NF F 64-018:990,Cl.No. 5.3.3.3
166	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 20°C (0.2It rate)	NF F 64-018 :1990, Cl.No. 5.3.3.2
167	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 20°C (1.0It rate)	NF F 64-018:990,Cl.No. 5.3.3.2
168	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 20°C (10.0It rate)	NF F 64-018:1990, Cl.No. 5.3.3.2
169	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 20°C (5.0It rate)	NF F 64-018 :1990, Cl.No. 5.3.3.2
170	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 40°C (0.2It rate)	NF F 64-018:1990, Cl.No. 5.3.3.4
171	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 40°C (1.0It rate)	NF F 64-018 :1990, Cl.No. 5.3.3.4
172	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 40°C (10.0It rate)	NF F 64-018:990, Cl.No. 5.3.3.4
173	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Characteristics of discharge at the temperature of 40°C (5.0It rate)	NF F 64-018:1990, Cl.No. 5.3.3.4
174	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Conservation of charge	NF F 64-018:1990, Cl.No. 5.3.3.5
175	ELECTRICAL- CELLS & BATTERIES	Single Rechargeable vented nickel-cadmium cells	Endurance in cycles	NF F 64-018:1990, Cl.No. 5.3.3.6
176	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Ampere-hour and Watt-hour efficiency	IS 15549 :2005, Cl. Nos. 12.4 & 12.5, RA
177	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Ampere-hour and Watt-hour efficiency tests	IS 13369:1992, Cl. No. 11.8 , RA
178	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Capacity test (0.5h, 1h, 2h, 3h, 5h, 8h, 10h, 20h, 240h rates)	IEC 60896-11, Cl. Nos. 7 & 14

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179	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Capacity test at other discharge rate (C2, C3, C4, C5, C8 rates)	IS 15549 :2005, Cl. No. 12.3, RA
180	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Charge retention during storage	IEC 60896-21 & 22, Cl. No. 6.12
181	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Charge retention test	IEC 60896-11, Cl. Nos.10 & 18
182	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Checking of dimensions as per manufacturer drawing	IS 15549 : 2005, Cl. No. 10.1.1b, RA
183	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Contractual Requirements	IS 13369 :1992, Cl. No. 6 , RA
184	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Contractual Requirements	IS 1651:2013, Cl. No.6,RA
185	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Discharge capacity (0.25h, 1h, 3h, 8h,10 h rates)	IEC 60896-21 & 22, Cl. No. 6.11
186	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Endurance	IS 13369 :1992, Cl. No. 11.7, RA
187	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Endurance	IS 1651 : 2013, Cl. No.12.8, RA
188	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Endurance in discharge-charge cycles	IEC 60896-11, Cl. Nos. 9.1 & 16
189	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Endurance in over charge	IEC 60896-11, Cl. Nos. 9.2 & 17
190	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Endurance Life Cycle Test	IS 15549 : 2005, Cl. No. 12.10, RA
191	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Float service with daily discharges	IEC 60896-21 & 22, Cl. No. 6.13
192	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Loss of capacity on storage	IS 13369 : 1992, Cl. No. 11.6, RA
193	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Loss of capacity on storage	IS 1651:2013, Cl. No.12.7, RA
194	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Marking	IS 13369 :1992, Cl. No. 8.1, RA
195	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Marking	IS 1651 : 2013, Cl. No.8.1, RA
196	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Markings on cell	IS 15549: 2005, Cl. No. 8, RA

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197	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Material and Construction	IS 15549 :2005, Cl. No. 4 & 5, RA
198	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Recharge behavior	IEC 60896-21 & 22, Cl. No. 6.14
199	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Short circuit current & Internal resistance determination	IEC 60896-11, Cl. Nos. 11 & 19
200	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Short circuit current and D.C. internal resistance	IEC 60896-21 & 22, Cl. No. 6.3
201	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Short circuit current and internal resistance test	IS 1651: 2013, Cl. No.12.13, RA
202	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for C1 Capacity	IS 15549 : 2005, Cl. No. 12.2, RA
203	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for C10 Capacity	IS 15549 : 2005, Cl. No. 12.1, RA
204	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for capacity (C1, C3, C5 & C10 rate)	IS 13369 :1992, Cl. No. 11.5, RA
205	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for capacity (C1, C2, C3, C4, C5, C6, C7, C8, C9, C10 rate)	IS 1651:2013, Cl. No.12.5 & 12.6, RA
206	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for Oxygen recombination efficiency	IS 15549 :2005, Cl. No. 12.9, RA
207	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for retention of charge	IS 15549 :2005, CL. No. 12.6, RA
208	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test for voltage during discharge	IS 1651:2013, Cl. No.12.10, RA
209	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test of suitability for floating battery operation	IEC 60896-11, Cl. Nos. 8 & 15
210	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Test of Suitability of floating battery operation	IS 1651:2013, Cl. No.12.12, RA
211	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Verification of dimensions	IS 13369 :1992, Cl. No. 11.4, RA
212	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Verification of dimensions	IS 1651:2013, Cl. No.12.4, RA
213	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Voltages during C10 discharge test	IS 15549 :2005, Cl. No. 12.1.1, RA
214	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries	Water Loss Test	IS 1651:2013, Cl. No.12.11, RA

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215	ELECTRICAL- CELLS & BATTERIES	Stationary Lead-acid cells & batteries,	Ampere-hour & Watt-hour efficiency tests	IS 1651:2013, Cl. No.12.9, RA
216	ELECTRICAL- CELLS & BATTERIES	Torpedo batteries	Shock	DGNAI Specification NA:AI/197 : 2006, Issue : 1, Revision chapter 2, 1b
217	ELECTRICAL- CELLS & BATTERIES	Torpedo batteries	Temperature Cycling	DGNAI Specification NA:AI/197 : 2006, Issue : 1, Revision , Chapter 2 , 1c
218	ELECTRICAL- CELLS & BATTERIES	Torpedo batteries	Vibration	DGNAI Specification NA:AI/197 : 2006, Issue : 1, Revised, Chapter 2, 1a
219	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Electrolyte Retention Test	IEC 60623 Edition 5.0 b, :2001,Cl.No. 7.8, Reaffirmed: 2017
220	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Charge Acceptance at Constant Voltage	IEC:60623, Edition 5.0 b:2001, Cl.No. 7.6, Reaffirmed
221	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Charge Retention	IEC 60623 Edition 5.0 b, :2001,Cl.No. 7.4, Reaffirmed
222	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Dimensions	IEC 60623 Edition 5.0 b: 2001 Cl.No. 6, Reaffirmed
223	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at +5°C (0.2It, rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.3, Reaffirmed
224	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at +5°C (1.0It rate)	IEC 60623 Edition 5.0 b:2001, Cl.No. 7.3.3, Reaffirmed
225	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at +5°C (2.0It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.3, Reaffirmed
226	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at +5°C (5.0It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.3, Reaffirmed
227	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at -18°C (0.2It rate)	IEC 60623 Edition 5.0 b :2001,Cl.No. 7.3.4, Reaffirmed
228	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at -18°C (1.0It rate)	IEC 60623 Edition 5.0 b:2001, Cl.No. 7.3.4, Reaffirmed
229	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at -18°C (2.0It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.4, Reaffirmed
230	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at -18°C (5.0It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.4, Reaffirmed
231	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at 20°C (0.2It,rate)	IEC 60623 Edition 5.0 b:2001, Cl.No. 7.3.2, Reaffirmed

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232	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at 20°C (1.0It rate)	IEC 60623 Edition 5.0 b:2001, Cl.No. 7.3.2, Reaffirmed
233	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at 20°C (10.0It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.2, Reaffirmed
234	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at 20°C (5.0It rate)	IEC 60623 Edition 5.0 b:2001, Cl.No. 7.3.2, Reaffirmed
235	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at High Temperature (0.2It rate)	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.6, Reaffirmed
236	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at High Temperature (1.0It rate)	IEC 60623 Edition 5.0 b : 2001, Cl.No. 7.3.6, Reaffirmed
237	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at High Temperature (10.0It rate)	IEC 60623 Edition 5.0 b :2001,Cl.No. 7.3.6, Reaffirmed
238	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at High Temperature (5.0It rate)	IEC 60623 Edition 5.0 b :2001, Cl.No. 7.3.6, Reaffirmed
239	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at Low Temperature (0.2It rate)	IEC 60623 2017,Edition 5.0 b,Cl.No. 7.3.5 :2001, Reaffirmed
240	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at Low Temperature (1.0It rate)	IEC 60623, Edition 5.0 b:2001,Cl.No. 7.3.5, Reaffirmed
241	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Discharge Performance at Low Temperature (2.0It rate)	IEC 60623 Edition 5.0 b :2001,Cl.No. 7.3.5, Reaffirmed
242	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Endurance in cycles	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.5.2, Reaffirmed
243	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	High Rate Current	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.3.7, Reaffirmed
244	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Marking	IEC 60623 Edition 5.0 b:2001, Cl.No. 5.4, Reaffirmed
245	ELECTRICAL- CELLS & BATTERIES	Vented nickel cadmium prismatic rechargeable cells	Storage	IEC 60623 Edition 5.0 b:2001,Cl.No. 7.9, Reaffirmed
246	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Air Pressure Test	IS 10918 :1984 ,Cl.No.10.6, Reaffirmed
247	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Ampere hour and Watt Hour Efficiency	IS 10918:1984 . Cl.No.10.13, Reaffirmed
248	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Ampere Hour Capacity Test	IS 10918 :1984, Cl.No.10.7,Reaffirmed
249	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Dimensions, Mass and Layout	IS 10918:1984, Cl.N.10.3, Reaffirmed

SCOPE OF ACCREDITATION

Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
250	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Discharge Performance at Low Temperature (0.1C rate)	IS 10918:1984, Cl.No.10.9,Reaffirmed
251	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Discharge Performance at Low Temperature (0.5C rate)	IS 10918:1984 ,Cl.No.10.9, Reaffirmed
252	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Discharge Performance at Low Temperature (1.0C rate)	IS 10918 :1984,Cl.No.10.9, Reaffirmed
253	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Insulation Resistance	IS 10918:1984, Cl.No.10.11, Reaffirmed
254	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Life Cycle Test	IS 10918 :1984, Cl.No.10.10, Reaffirmed
255	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Marking	IS 10918:1984 , Cl.No.10.4
256	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Physical Examination	IS 10918:1984 ,Cl.No.10.2, Reaffirmed
257	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Polarity and absence of short circuit	IS 10918:1984 ,Cl.No.10.5, Reaffirmed
258	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Retention of charge	IS 10918:1984 Cl.No.10.8, Reaffirmed
259	ELECTRICAL- CELLS & BATTERIES	Vented Type Nickel Cadmium Batteries	Storage	IS 10918:1984 ,Cl.No.10.12, Reaffirmed
260	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Change of temperature	IEC : 60068-2-14
261	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Change of temperature	IS 9000 :Part 14: Section 1 to 3:1988, Reaffirmed
262	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Cold Test	IEC : 60068-2-1
263	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Cold Test	IS 9000: Part 2, Section 3: 1977, Reaffirmed
264	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and Electrical items	Damp Heat (Cyclic)	IEC 60068-2-30
265	ELECTRICAL- ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Damp Heat (Cyclic)	IS 9000: Part 5 : Section 1&2 :1981, Reaffirmed

SCOPE OF ACCREDITATION

Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
266	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Damp Heat (Steady State)	IS 9000:Part 4:2008, Reaffirmed
267	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Dry Heat Test	IEC 60068-2-2
268	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Dry Heat Test	IS 9000 :Part 3:Section 1 to 5:1977, Reaffirmed
269	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Shock Test	IEC : 60068-2-27
270	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Shock Test	IS 9000: Part 7 - Section 1:2006, Reaffirmed
271	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Vibration Test	IEC 60068-2-6
272	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Electronic and electrical items	Vibration Test	IS 9000 :Part 8:1981, Reaffirmed
273	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	Jolt Test	MIL-STD-331-D (Test Method : A1)
274	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	Jumble Test	MIL-STD-331-D(Test Method : A2.1)
275	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	One and One-half Meter (Five-Foot) Drop Test	MIL-STD 331-D(Test Method : A4.1)
276	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	Temperature and Humidity Test	MIL-STD-331-D(Test Method :C1)
277	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	Thermal Shock Test	MIL-STD-331-D(Test Method :C7)
278	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Fuze and Fuze Components	Transportation Vibration (Bare and Packaged Fuzes) Test	MIL -STD-331-D(Test Method : B1.1)
279	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Railway Applications – Rolling stock equipment	Random Vibration	IEC 61373 Cl.No. 8

SCOPE OF ACCREDITATION

Laboratory Name : HBL POWER SYSTEMS LIMITED, CENTRAL TEST FACILITY, ALIABAD POST, LALGADI MALAKPET, SHAMEERPET MANDAL, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
280	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Railway Applications – Rolling stock equipment	Shock	IEC 61373 Cl.No. 10
281	ELECTRICAL-ENVIRONMENTAL TEST FACILITY	Railway Applications – Rolling stock equipment	Simulated Long life Testing at increased random vibration levels	IEC 61373, Cl.No. 9