National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	GUPTA POWER INFRASTRUCTURE LIMITED, TESTING LABORATORY, F/9, IID CENTRE, MUKUNDA PRASAD, KHURDA, KHORDHA, ODISHA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-5406	**Page No**	1 of 2
Validity	26/07/2021 to 25/07/2023	**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-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Breaking Load/UTS on wire	IS 398 (Part 1)Cl. No.12.3, IS 398 (Part 2)Cl. No.13.3, IS 398 (Part 5) Cl. No.13.5, IEC 1089, Cl. No.5.7, IEC 888,Cl. No.10.2, IEC 889,Cl. No.10.1, EN 50182, Cl. No.5.9, EN 50540, ASTM B-232,Cl. No.10, ASTM B-399,Cl. No.9, ASTM B-524,Cl. No.8, ASTM B-711,Cl. No.9,SS 4240814,Cl. No.5,BS 215 (Part 1)
2	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Lay Ratio	IS 398 (Part 1)Cl. No.12.6, IS 398 (Part 2)Cl. No.10.2, IS 398 (Part 4) Cl. No.9.2, IS 398 (Part 5)Cl. No.13.4, IEC 1089,Cl. No.6.6.6, EN 50182,Cl. No.6.4.4, EN 50540, ASTM B-232, ASTM B-399, ASTM B-524, ASTM B-7
3	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Mass of Zinc Coating on HTGS Wire by Gravimetric method	IS 6745(Cl.5.2.2), IEC 888,Cl. No.11.0, BS 215 (Part 1), BS 215 (Part 2), EN 50182, EN 50540, ASTM B-711, ASTM B-232
4	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Thermal resistance Test	IEC 62004, Cl. No.6.7
5	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Uniformity of Coating Test (On Galvanized steel Wire- Dip Test/preece test)	IS 2633,Cl. No.5.1, IS 398 IEC 888, BS 215 (Part 1), BS 215 (Part 2), EN 50182,EN 50540
6	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Wrapping Test	IS 398 (Part 1)Cl. No.12.4, IS 398 (Part 2)Cl. No.13.5, IS 398 (Part 4), IS 398 (Part 5),Cl. No.13.7, IEC 1089, IEC 888,Cl. No.10.3, IEC 889,Cl. No.10.2, IEC 62004, Cl. No.7.3.7, EN 50182, EN 50540
7	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Adhesion Test	ASTM B - 498 Cl. No.11.0

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8	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Measurement of Diameter of Individuals Strands	IS 398 (Part 1) Cl. No. 12.2, IS 398 (Part 2)Cl. No. 13.2, IS 398 (Part 4), IS 398 (Part 5), IEC 1089, IEC 888,Cl. No. 5, IEC 889,Cl. No. 5, EN 50182,Cl. No. 5.4, EN 50540, ASTM B-232
9	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Resistance and Resistivity	IS 398 (Part 1) Cl. No.12.5, IS 398 (Part 2) Cl. No.13.6, IS 398 (Part 4) Cl. No.12.4, IS 398 (Part 5) Cl. No.13.8, IEC 1089, IEC 888, IEC 889, EN 50182, EN 50540, ASTM B-711
10	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Aluminium Conductor AAC,AAAC, ACSR,AL59, for EHV Application	Measurement of Diameter of complete conductor	IS 398 (Part 1) Cl. No. 12.2, IS 398 (Part 2) Cl. No. 13.2, IS 398 (Part 4), IS 398 (Part 5), IEC 1089, IEC 888, Cl. No. 5, IEC 889,Cl. No. 5, EN 50182, Cl. No. 5.4, EN 50540, ASTM B-232
11	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Bare Steel Wire AAC,AAAC, ACSR,AL59, for EHV Application	Ductility Test 2)Torsion	IS 398 (Part 1),IS 398 (Part 2)Cl. No. 13.4, IS 398 (Part 4),Cl. No. 12.3, IS 398 (Part 5),Cl. No. 13.6, IEC 1089, IEC 888,Cl. No.10.3, IEC 889, EN 50182, EN 5054, ASTM B-232, ASTM B-399, ASTM B-524, ASTM B-711
12	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Steel wire, AAC,AAAC, ACSR,AL59, for EHV Application	Ductility Test 1)Elongation	IS 398 (Part 1),IS 398 (Part 2),Cl. No. 13.4, IS 398 (Part 5),Cl. No. 13.6, IEC 1089, IEC 888, Cl. No.10.3, IEC 889, EN 50182, EN 50540, ASTM B-232