



Our Ref: LRMD/LRS/OSL- 8100924

08.04.2024

M/S Central Power Research Institute
Govindpura, Bhopal, Madhya Pradesh, 462023

Subject: Inclusion of IS/ IEC 60947 (Part-2):2016 in the existing scope of recognition.

Dear Sir,

It is informed that the Competent Authority has decided to IS/ IEC 60947 (Part-2):2016 in the existing scope of your laboratory for remaining period of recognition w. e. f. 08.04.2024.

The inclusion of the IS has been processed based on your undertaking dated 28.03.2024.

Thanking you.

Yours faithfully,


(Bhanu Krishandev P)
Scientist -B / Assistant Director
Laboratory Recognition & Management Department

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DATA ON OUTSIDE RECOGNISED LABORATORIES

w.e.f : from 2021/07/01 to 2024/06/30

Annex-I

OSL CODE 8100924
 NAME Central Power Research Insititue,
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 REMARKS

IS Number	Product	Testing Charge	Remark
1	IS 1180(Part 1): 2014 OUTDOOR TYPE OIL IMMERSSED DISTRIBUTION TRANSFORMERS UPTO AND INCLUDING 2500 KVA, 33 KVA SPECIFICATION PART 1 MINERAL OIL IMMERSSED	Rs. 10,49,100/-	
2	IS 2086 : 1993 CARRIERS AND BASES USED IN REWIRALE TYPE ELECTRIC FUSES FOR VOLTAGES UPTO 650v	Rs.2,65,600/-	Excluding 'Ignition test' (for non-ceramic materials only) (Cl.9.12)
3	IS 12640(Part 1): 2008 RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS (P-1) W/O INTEGRAL OVER CURRENT PROTECTION	Rs.9,83,350/- for two pole, Rs.10,98,200/- for four pole and additional charges for Seq. D0 are: Rs.66,300/- for functionally independent of line voltage, Rs.1,98,900/- for functionally dependent of line voltage. Extra Charges for tripping test on intermediate rating.	Excluding 'Verification of correct operation of residual currents with d.c. components (Cl.9.21)
4	IS 12640(Part 1): 2016 RESIDUAL CURRENT OPERATED CIRCUIT BREAKERS (P-1) W/O INTEGRAL OVER CURRENT PROTECTION	Rs. 9,72,950/-	
5	IS 12640(Part 2): 2016 Residual current operated circuit- breaking for household-breakers with integral overcurrent protection	Rs. 12,96,400/-	
6	IS 12640(Part 2): 2008 Residual current operated circuit- breaking for household-breakers with integral overcurrent protection	Rs.10,39,100/- for two pole, Rs.11,37,950/- for four pole and additional charges for Seq.D0 are: Rs.66,300/- for functionally independent of line voltage, Rs.1,98,900/- for functionally dependent of line voltage. Extra Charges for tripping test on intermediate rating.	Excluding 'Verification of correct operation of residual currents with d.c. components (Cl.9.21).

IS Number	Product	Testing Charge	Remark
7	IS 13703(Part 2/Sec 1): 1993	Low voltage fuses for voltages not exceeding 1000V ac or 1500 V dc : Part 2 Fuses for use by authorized persons, Sec 1 & 2 Supplementary requirements & examples of standardized fuses respectively.	<p>A) For overload test 0 to 12 hours: Rating upto 63A: (≤ 10kA) Rs.2,25,750/- , (11kA-50 kA): Rs.2,42,550/-, (51kA80 kA): Rs.2,87,500/-, (above 80 kA): Rs.5,35,050/-; Rating (64A-160A): (≤ 10kA) Rs.2,28,750/-, (11kA-50 kA): Rs.2,45,550/-, (51kA-80 kA): Rs.2,90,500/-, (above 80 kA): Rs.5,38,050/-; Rating (161A-400A): (≤ 10kA) Rs.2,31,750/-, (11kA-50 kA): Rs.2,48,550/-, (51kA-80 kA): Rs.2,93,500/-, (above 80 kA): Rs.5,41,050/-; Rating above 400A: (≤ 10kA) Rs.2,34,750/-, (11kA-50 kA): Rs.2,51,550/-, (51kA-80 kA): Rs.2,96,500/-, (above 80 kA): Rs.5,44,050/-.</p> <p>B) For overload test 12 to 18 hours: Rating upto 63A: (≤ 10kA) Rs.2,27,900/- , (11kA-50 kA): Rs.2,44,700/-, (51kA80 kA): Rs.2,89,650/-, (above 80 kA): Rs.5,37,200/-; Rating (64A-160A): (≤ 10kA) Rs.2,30,900/-, (11kA-50 kA): Rs.2,47,700/-, (51kA-80 kA): Rs.2,92,650/-, (above 80 kA): Rs.5,40,200/-; Rating (161A-400A): (≤ 10kA) Rs.2,33,900/-, (11kA-50 kA): Rs.2,50,700/-, (51kA-80 kA): Rs.2,95,650/-, (above 80 kA): Rs.5,43,200/-; Rating above 400A: (≤ 10kA) Rs.2,36,900/-, (11kA-50 kA): Rs.2,54,700/-, (51kA-80 kA): Rs.2,98,650/-, (above 80 kA): Rs.5,46,200/-.</p> <p>C) For overload test above 18 hours: Rating upto 63A: (≤ 10kA) Rs.2,30,900/- , (11kA-50 kA): Rs.2,47,700/-, (51kA80 kA): Rs.2,92,650/-, (above 80 kA): Rs.5,40,200/-; Rating (64A-160A): (≤ 10kA) Rs.2,33,900/-, (11kA-50 kA): Rs.2,50,700/-, (51kA-80 kA): Rs.2,95,650/-, (above 80 kA): Rs.5,43,200/-; Rating (161A-400A): (≤ 10kA) Rs.2,36,900/-, (11kA-50 kA): Rs.2,53,700/-, (51kA-80 kA): Rs.2,98,650/-, (above 80 kA): Rs.5,47,200/-; Rating above 400A: (≤ 10kA) Rs.2,39,900/-, (11kA-50 kA): Rs.2,57,700/-, (51kA-80 kA): Rs.3,01,650/-, (above 80 kA): Rs.5,50,200/-.</p>
8	IS 13779 : 1999	AC STATIC WATTHOUR METERS,	Rs. 1,63,500/-
9	IS 13779 : 2020	AC STATIC WATTHOUR METERS,	Rs.1,69,000/- for single phase energy meter. Rs.1,90,000/- for three phase energy meters.
10	IS 14697 : 1999	ac Static Transformer Operated watthour meters & Var-Hour meters	Rs. 2,03,500/-
11	IS 14697 : 2021	ac Static Transformer Operated watthour meters & Var-Hour meters	Rs.3,60,000/- REVISED VERSION STANDARD INCLUDED W.E.F. 04-03-2022. EXCLUSIONS: Radio interference measurement 9b) for meters having or to be used with wireless communication feature (Cl.12.8.6 (b)).

IS Number	Product	Testing Charge	Remark
12	IS 15884 : 2010	Alternating current direct connected static prepayment meters for active energy (Class 1 and 2)	Testing Charges in detail : For all tests for Utilization category UC1: Rs. 6,29,000/- for single phase meter and Rs. 7,54,000/- for Three phase. For Utilization category UC2 & UC3: Rs.7,25,000/- for single phase meter and Rs 10,65,000/- for three phase meters.
13	IS 16444 : 2015	a.c. Static Direct Connected Watthour Smart meter Class 1&2	Testing Charges in detail: 1. All tests as per standard on Single phase Smart meter with Load switch UC1 category = Rs.4,55,800/- + GST per make for a set of 4 samples of same rating 2. All tests as per standard on Single phase Smart meter with Load switch UC2 or UC3 category = Rs.5,68,800/-+GST per make for a set of 8 samples of same rating. 3. All tests as per standard on Three phase Smart meter with Load switch UC1 category =Rs.5,48,900/-+ GST per make for a set of 4 samples of same rating. 4. All tests as per standard on Three phase Smart meter with Load switch UC2 or UC3 category = Rs.7,22,500/-+GST per make for a set of 8 samples of same rating .
14	IS 16444(Part 2): 2017	A.C. Static transformer operated watthour and Var-Hour Smart meters class 0.2S, 0.5S and 1.0S Pt-2-Transformer operated smart meter	Rs.3,60,000/- Included w.e.f. 04-03-2022.
15	IS 60898(Part 1): 2015	IS/IEC 60898(Pt-1):2002 -- Electrical Accessories - Circuit breakers for overcurrent protection for household and similar installation : Part-1 Circuit-breakers for AC operation	Rs. 14,75,000/- REVISED 2015 VERSION included w.e.f. 26/09/2019.

IS Number	Product	Testing Charge	Remark
16	IS 60947(Part 2): 2016	IS/IEC 60947 (Part-2):2003 - Low - Rs. 4337830/- Voltage Switchgear and Controlgear - Part 2 : Circuit Breakers	Included w.e.f. 08.04.2024 Exclusion:Cl. 8.3.9 (Critical d.c. load current test), Cl. B.8.7 (Behavior in the case of an earth fault current comprising a d.c. component), Cl. B.8.8 (Behavior in the case of failure of line voltage for CBRs classified under B.3.1.2.1), Cl. B.8.9 (Behavior in the case of failure of line voltage for CBRs classified under B.3.1.2.2), Cl. 7.3 Annexure J Table J.1 (Electrostatic discharges, Radiated radio-frequency electromagnetic fields, Electrical fast transients/bursts, Surges, Conducted disturbances induced by radio frequency fields, Power frequency magnetic fields, Voltage dips and interruptions), Cl. 7.3 Annexure J Table J.3 ("Conducted RF disturbances 150 kHz to 30 MHz", Radiated RF disturbances 30 MHz to 1 000 MHz
17	IS 60947(Part 3): 1993	IS/IEC 60947(Part-3):1999 - Low- Voltage switchgear and controlgear : Part 3 Switchgears, disconnectors, switch- disconnectors and fuse combination units	For STC tests upto 50 kA : for rating upto 100A - Rs.3,27,750/- (DP), Rs.3,50,600/- (TP), Rs.3,85,300/- (TPN); for rating 101A to 200A - Rs.3,26,421/- (DP), Rs.3,49,271/- (TP), Rs.3,83,971/- (TPN); for rating 201A to 630A - Rs.3,21,800/- (DP), Rs.3,49,621/- (TP), Rs.3,84,350/- (TPN); for rating 631A to 2500A - Rs.5,94,700/- (DP), Rs.6,17,550/- (TP), Rs.6,51,300/- (TPN); For STC test 51 kA to 80 kA : for rating upto 100A - Rs.3,99,600/- (DP), Rs.4,22,450/- (TP), Rs.4,57,150/- (TPN); for rating 101A to 200A - Rs.3,98,271/- (DP), Rs.4,21,121/- (TP), Rs.4,55,821/- (TPN); for rating 201A to 630A - Rs.3,98,650/- (DP), Rs.4,21,502/- (TP), Rs.4,56,200/- (TPN); for rating 631A to 2500A - Rs.7,63,550/- (DP), Rs.7,68,600/- (TP), Rs.8,11,560/- (TPN).

IS Number	Product	Testing Charge	Remark	
18	IS 60947(Part 3): 2012	IS/IEC 60947(Part-3):1999 - Low-Voltage switchgear and controlgear : Part 3 Switchgears, disconnectors, switch-disconnectors and fuse combination units	Rs. 19,09,950/-	scope restricted to testing except UTILIZATION category DC as per Annex A
19	IS 60947(Part 4/Sec 1): 2012	IS/IEC 60947(Pt-4/Sec-1):2000 -- Low Voltage Switchgear and Controlgear - Part 4 : Contractors and Motor-Starters - Section 1 : Electromechanical Contractors and Motors-Starters	Testing charges sequence wise: Test Sequence 1 : 93050/- Test sequence 2 : 280000/- Test sequence 3 : 460000/- Test sequence 4 (applicable to contactors only): 380400/- Test sequence 5 : 61600/-	
20	IS 60947(Part 4/Sec 1): 2000	IS/IEC 60947(Pt-4/Sec-1):2000 -- Low Voltage Switchgear and Controlgear - Part 4 : Contractors and Motor-Starters - Section 1 : Electromechanical Contractors and Motors-Starters	Rating Upto 63A : Rs.2,29,850/- for test current upto 50 kA, Rs.2,52,325/- for test current 50 kA to 80 kA; Rating 64A to 150A: Rs.2,54,850/- for test current upto 50 kA, Rs.2,77,325/- for test current 50 kA to 80 kA; Rating 151A to 200A: Rs.2,54,850/- for test current upto 50 kA, Rs.2,77,325/- for test current 50 kA to 80 kA; Rating 201A to 300A: Rs.2,58,050/- for test current upto 50 kA, Rs.2,80,525/- for test current 50 kA to 80 kA; Rating 301A to 400A: Rs.4,35,550/- for test current upto 50 kA, Rs.4,58,025/- for test current 50 kA to 80 kA; Rating 401A to 500A: Rs.4,71,100/- for test current upto 50 kA, Rs.4,93,575/- for test current 50 kA to 80 kA; Rating 501A to 650A: Rs.5,75,300/- for test current upto 50 kA, Rs.5,97,775/- for test current 50 kA to 80 kA; Rating 651A to 800A: Rs.6,64,175/- for test current upto 50 kA, Rs.6,86,650/- for test current 50 kA to 80 kA; Rating 801A to 1000A: Rs.7,85,475/- for test current upto 50 kA, Rs.8,07,950/- for test current 50 kA to 80 kA; Rating 1001A to 1666A: Rs.7,98,325/- for test current upto 50 kA, Rs.8,20,800/- for test current 50 kA to 80 kA; Rating 1667A to 2000A: Rs.7,88,325/- for test current upto 50 kA, Rs.8,18,800/- for test current 50 kA to 80 kA; Rating 2001A to 3000A: Rs.7,91,375/- for test current upto 50 kA, Rs.8,13,850/- for test current 50 kA to 80 kA; Rating 3001A to 4000A: Rs.8,04,975/- for test current upto 50 kA, Rs.8,27,450/- for test current 50 kA to 80 kA	