

Ref: **ERL(E)/1293**

Date:02.05.2023

ERL, Electrical Section has created test facility as per details given below:

IS No.	:	1293 : 2019
Product	:	Plugs and Socket-Outlets for household and similar purposes of rated Voltage up to and including 250 V and rated current up to and including 16 A — Specification
Test (s) with Clause No. for which facility has been created	:	Rating(Cl.-6), Classifications(Cl.-7), Marking(Cl.-8), Checking of dimensions(Cl.-9), Protection Against Electric Shock(Cl.-10), Provision for earthing(Cl.-11), Terminals(Cl.-12), Electric Strength (Flash Test) - Cl. 17.3, Operation of earthing contact (Cl 18), Temperature Rise - Cl.19, Making & Breaking capacity (Cl 20),Normal operation test set up (Cl 21), Verification of max & min withdrawal force (Cl 22.1),Cord retention test (Cl23.2), Tumbling barrel test – (Cl. 24.2), Resistance to heat (Cl 25), Screws and current carrying parts and connection (Cl 26), Creepage distance and clearances – (Cl. 27), Glow-wire test- (Cl. 28.1.1), Resistance to rusting (Cl 29)
Type/Size/Grade/Variety for which test facility has been created	:	Socket having (a) 6 Amp and 16 Amp (b) Voltage upto 250V, (c) Ordinary type (IPX0) (d) Rewirable & non rewirable accessories (e) With screw type terminal (f) With normal and increased protection (g) According to method of application (h) With and without shutters
Test Section	:	Electrical
Major equipment procured for creation of test facility	:	Temperature Rise (Cl.19),Making & Breaking capacity and Normal operation test set up (Cl 20,21) Tumbling barrel test (Cl 24.2)
Status of facility created	:	Partial
Test (s) with Clause No. for which facility yet to be created for complete testing	:	1) Socket Outlets- Complete Test facility Except Screwless terminals(Cl. 12.3), Verification of removal of cover and cover plates(Cl.- 24.14) 2) Moulded Plugs- All tests except Flexing test(23.4), Pins having Insulating Sleeves(Cl. 30) 3) Rewirable Plugs- Complete 4) Resistance to tracking (Cl 28.2) for IP code higher than IPX0
Sample size	:	Plug-15 & Socket-15
Testing capacity/month	:	10
Remarks	:	Nil

OIC (SC)

Head (EROL)DDGL