



THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Government of India “Mini Ratna” Enterprise)

Technical Services Centre

D-82/83, Focal Point, Rajpura – 140 401 (Punjab)

Telephone: 01762-232669, Email: ntsec.rjp@nsic.co.in

Detail of Testing Activity

Centre Name: NTSC,RAJPURA

S.No.	Sample Description	Test Details	Applicable Test Std.	NABL Accreditation	Duration (Days)*	Test Charges (₹)	Applicable GST (₹)	Total(₹)	Remarks
			IS/ BS, etc.	Yes/ No					
2	Electric Food Mixer Grinder/Juicer	Rating (Cl 5) Classification (C1 6) Marking & instruction (C1 7) Classification (C1 6) Marking & instruction (C1 7) Protection Against Access to Live Parts. (C1 8) Starting (C1 9) Input (C1 10) Temperature rise (C1 11) Electrical insulation & leakage current at operating temp. (C1 13) Radio & Television Interference Suppression Test (CL 14) Moisture Resistance Test (Cl 15) Electrical insulation resistance & Electric strength (After humidity treatment) (Cl 16) Abnormal Operation (C1 19) Stability & Mechanical Hazards (Cl 20) Mechanical strength (Cl 21) Construction (C1 22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cable & Cords (Cl 25) Terminals for external conductors(Cl 26) Provisions for Earthing connection (C1 27) Screws & Connections (Cl 28) Creepage distances & clearances and distances through insulation (C1 29) Resistance to heat, fire (C1 30) Resistance to rusting (C1 31) Temperature withstand test for bowl (Cl 35) Test for controls (C1 36) Strength of Assembly (C1 37)	IS:4250:1980	Yes	46 Days	Rs:12150/-	18%	Rs.14337/-	



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			IS/ BS, etc.	Yes/ No					
3	Electric Room Heater	Classification and Rating (Cl 6) Marking & Instructions(C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (Cl 11) Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage Cl. Moisture Resistance Test. Cl. Leakage Current & Electrical Strength Cl.16 Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (Cl 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors(C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (Cl 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (Cl31) Radiation, Toxicity, and Similar Hazards Cl.. 32 Temperature of surface Cl 10 of IS:369-1992 Endurance Test Cl.11 of IS:369-1992 Finish Test Cl.13 of IS:369-1992	302-2-30:2007	Yes	46/120 Days	RS:12150 /-	18%	Rs:14337	



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			IS/ BS, etc.	Yes/ No					
4	Immersion Water Heater	Classification and Rating (C1 6 Marking & Instructions(C1 7 Protection Against Access to Live Parts. (C1 8 Power Input and Current (C1 10 Temperature rise/Heating (C1 11 Leakage Current & Electrical Strength at Operating Temperature. (C1 13 Transient Over Voltage Cl. Moisture Resistance Test. Cl. Leakage Current & Electrical Strength Cl.16 Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18 Abnormal Operation (C1 19 Stability & Mechanical Hazards (C1 20 Mechanical Strength (C1 21 Construction (C1.22 Internal Wiring (C1 23 Components (C1 24 Supply Connection & External Flexible Cords (C1 25 Terminals for External Conductors(C1 26 Provision for Earthing (C1 27 Screws & Connections (C1. 28 Clearances, Creepage Distances & Solid Insulation (C1 29 Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131 Radiation, Toxicity, and Similar Hazards Cl.. 32 Endurance Test Cl.11 of IS:368 Finish Test Cl 13 of IS:368-1992	IS:368-2014 &302-2-201:2008	Yes	46 Days	Rs 14000/-	18%	Rs 16520/-	



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			IS/ BS, etc.	Yes/ No					
5	Mineral filled sheathed Heating Element	Classification and Rating (CI 6 Marking & Instructions(CI 7 Protection Against Access to Live Parts. (CI 8 Power Input and Current (CI 10 Temperature rise/Heating (CI 11 Operation Under over load Condition of appliances CI .12 Leakage Current & Electrical Strength at Operating Temperature. (CI 13 Transient Over Voltage CI. Moisture Resistance Test. CI. Leakage Current & Electrical Strength CI.16 Overload Protection of Transformer and Associated Circuit. (CI 17) Endurance (CI 18 Abnormal Operation (CI 19 Stability & Mechanical Hazards (CI 20 Mechanical Strength (CI 21 Construction (CI.22 Internal Wiring (CI 23 Components (CI 24 Supply Connection & External Flexible Cords (CI 25 Terminals for External Conductors(CI 26 Provision for Earthing (CI 27 Screws & Connections (CI. 28 Clearances, Creepage Distances & Solid Insulation (CI 29 Resistance to Heat & Fire (CI 30) Resistance to Rusting (CI31 Radiation, Toxicity, and Similar Hazards CI.. 32	IS:4159:2021	Yes	46 Days	Rs:12500/-	18%	Rs:14750/-	



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			IS/ BS, etc.	Yes/ No					
6	Storage water heater	Classification and Rating (C1 6) Marking & Instructions(C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances C1.12 Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage Cl. Moisture Resistance Test. Cl. Leakage Current & Electrical Strength Cl.16 Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors(C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards Cl.. 32 Actual capacity C1 15 of IS 2082:1992 Standing loss (C1 16 of IS 2082:1993) Hot water output(C1.17 of IS 2082 :1993) Reheating Time (C1.18 of IS 2082 :1993) Mixing factor (C1.19 of IS 2082 :1993)	IS:2082-2018 & 302-2-21:2018	Yes	46 Days	Rs:15000/-	18%	Rs.17700/-	



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			IS/ BS, etc.	Yes/ No					
7	Electric Instantaneous Water Heater	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances C1 .12 Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage Cl. Moisture Resistance Test. Cl. Leakage Current & Electrical Strength Cl.16 Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards Cl.. 32 Finish Test C1 10 of IS : 8978:1992 Operation of flow switch C1 11 of IS : 8978:1992 Endurance Test C1 12 of IS : 8978:1992	IS:8978-1993& 302-2-35:2011	Yes	46 Days	Rs.14000/-	18%	Rs.16520/-	

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			IS/ BS, etc.	Yes/ No					
8	Electric Hand Blender	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances (C1 12) Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage (C1 14) Moisture Resistance Test. (C1 15) Leakage Current & Electrical Strength (C1 16) Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards Cl..	IS:302-2-14:2009	Yes	46 Days	Rs:12150/-	18%	Rs.14337/-	

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			IS/ BS, etc.	Yes/ No					
9	Electric Food Processor	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances (C1 12) Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage (C1 14) Moisture Resistance Test. (C1 15) Leakage Current & Electrical Strength (C1 16) Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C124) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards (C1..	IS:302-2-14:2009	Yes	46 Days	Rs:12150/-	18%	Rs.14337/-	

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			IS/ BS, etc.	Yes/ No					
10	Electric Contact Griller & Toaster	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances Cl. 12 Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage Cl. Moisture Resistance Test. Cl. Leakage Current & Electrical Strength Cl.16 Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards Cl..	IS:302-2-9:2009	Yes	46 Days	Rs:14000/-	18%	Rs.16520/-	

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			IS/ BS, etc.	Yes/ No					
11	Low Speed Food Grinding Machine	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances (C1 12) Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage (C1 14) Moisture Resistance Test. (C1 15) Leakage Current & Electrical Strength (C1 16) Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1.22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1. 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C131) Radiation, Toxicity, and Similar Hazards Cl..	IS:302-2-209:1994	Yes	46 Days	Rs:23100/-	18%	Rs.27258/-	

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			IS/ BS, etc.	Yes/ No					
12	Electric Kettle	Classification and Rating (C1 6) Marking & Instructions (C1 7) Protection Against Access to Live Parts. (C1 8) Power Input and Current (C1 10) Temperature rise/Heating (C1 11) Operation Under over load Condition of appliances (C1 12) Leakage Current & Electrical Strength at Operating Temperature. (C1 13) Transient Over Voltage (C1 14) Moisture Resistance Test. (C1 15) Leakage Current & Electrical Strength (C1 16) Overload Protection of Transformer and Associated Circuit. (C1 17) Endurance (C1 18) Abnormal Operation (C1 19) Stability & Mechanical Hazards (C1 20) Mechanical Strength (C1 21) Construction (C1 22) Internal Wiring (C1 23) Components (C1 24) Supply Connection & External Flexible Cords (C1 25) Terminals for External Conductors (C1 26) Provision for Earthing (C1 27) Screws & Connections (C1 28) Clearances, Creepage Distances & Solid Insulation (C1 29) Resistance to Heat & Fire (C1 30) Resistance to Rusting (C1 31) Radiation, Toxicity, and Similar Hazards (C1 11) Overall Dimensions (C1 12) Mass (C1 13) Water Capacity (C1 14) Time to boil one litre of Water (C1 15) Time to boil water Capacity (C1 16) Minimum Quantity of Water That can be Boiled (C1 17) Temperature of supporting surface (C1 18) Thermal Efficiency (C1 19) Endurance Test (C1 19) Finish (C1 20)	IS:302-2-15 :2009 & IS : 367 : 1993	Yes	46 Days	Rs:15000/-	18%	Rs.17700/-	

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