विकास आयुक्त का कार्यालय
(सूक्ष्म, लघु एवं मध्यम उद्यम)
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
(भारत सरकार)

निर्माण भवन, सातवीं मंजिल, मौलाना आजाद रोड,
नई दिल्ली-110 108

OFFICE OF THE DEVELOPMENT COMMISSONER
(MICRO, SMALL & MEDIUM ENTERPRISES)
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES
GOVERNMENT OF INDIA
Nirman Bhawan, 7th Floor, Maulana Azad Road,
New Delhi-110 108

Ph. EPAX-23063800, 23063802, 23063803, 23063804, 23063805 & 23063806

No. 65(02)/TCD/B03/2024-25 (E-4027603) **Date: 09/02/2026**

To,

The Director,
MSME- Testing Center, Chennai

Subject: Sanction and allocation of fund Rs. 17,26,037/- to MSME-Testing Centre, Chennai under the object head Machinery and Equipment (4851.00.102.33.00.52) for the year 2025-26.

Sir,

I am directed to convey the administrative approval and financial sanction & allocation of AS & DC (MSME) for fund **Rs. 17,26,037/- (Seventeen lakh Twenty six Thousand Thirty Seven only) to MSME-Testing Centre, Chennai** under the object head Machinery and Equipment (4851.00.102.33.00.52) for the year 2025-26 for procuring Machinery and Equipment as per list (**Annexure-I**) attached herewith.

2. The expenditure of Rs. 17,26,037/- to be incurred by MSME-Testing Centre, Chennai shall be accommodated in Demand No. 68 – Ministry of Micro, Small & Medium Enterprises (MSME) under the object head Machinery and Equipment (4851.00.102.33.00.52) for the year 2025-26. Under this head, total fund of Rs. 1,21,38,522 /- (including present instalment of Rs 17,26,037/-) has been sanctioned to TC, Chennai against the demand of Rs. Rs.7,13,27,320/- for procurement of machinery & Equipments.

3. The procurement shall be made strictly through GeM/ CPP portal as per GFR norms /Government prescribed procedures / Rules and Guidelines/ PPP-MII-, 2020, 2021 order /as per the specifications mentioned in the attached Annexure/ meeting at least the requirement of National / International standards. There should not be any deviation on the BIS/ International specification.

4. In order to promote Indian products Make in India, preference to be given to Indian manufacturers meeting same specifications.

5. Machinery and Equipments should not be proprietary item.

6. If applicable, procured item should have provision for software interfacing to generate printable digital output.

7. Procurement should be on life-cycle basis i.e. Warranty + Extended Warranty.

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Deputy Director
Govt. of India
Ministry of Micro, Small & Medium Enterprises
Office of the Development Commissioner (MSME)
Nirman Bhawan, New Delhi-110011

8. The purchase committee should have an officer as member from nearest MSME DFO/TC/TS not below the rank of Asstt. Director Gr.- I.

9. HoO of respective TCs & TSs should furnish the progress report of the work/ Procurement and statement for actual expenditure incurred to this office by 2nd of the following month inter alia with the reason or variation if any and ensure utilization of fund within the current FY 2025-26.

10. A separate register shall be maintained for each machinery on its utilization/ job booking details.

11. HoO, MSME-TC, Chennai shall furnish installation report and commissioning certificate of the procured Machinery & Equipments along with expenditure incurred and fund utilization certificate.

12. This issues with the approval of AS & DC (MSME) vide e-office no. 4027603, dated 04.02.2026.

(Mahesh Chand)
Deputy Director

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Office of the Development Commissioner (MSME)
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Copy to:

1. Pay & Accounts Office (MSME), Chennai.
2. B & A Division, O/o DC (MSME), Nirman Bhawan, New Delhi
3. SENET Division with the request to upload on DC (MSME) website.
4. Sanction File.

(Mahesh Chand)
Deputy Director

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Annexure-I

Annexure to No. 65(02)/TCD/B03/2024-25 (E-4027603) **Date: 09/02/2026**

Name of Institute: MSME Testing Centre, Chennai

Sl. No	Name of Machinery & Equipments and Qty.	Used for	IS Specification & No. / Relevant specification
(a)	**Chemical Lab**		
(i)	Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), PC controlled Dual View – 1 no.	To determine metals quantitatively from higher concentration to trace level (ppt) in Natural mineral water (IS13428). Packaged Drinking water (IS14543) and drinking water (IS 10500)	IS:3025 (Part 65) Instrument shall be equipped with concentric Nebulizer, high precision or more multi channel. minimum 3 peristaltic pump or suitable pump set up. Capable of analyzing samples with varying TDS. Must have Pellier cooled Spray chamber. Sample introduction system, Torch, Injector and cones should be easily accessible for maintenance RF Generator 27/34 MHz or suitable, Power range-500 to 1600 W or better Torch with alignment and computer controlled 2)Oil Mist Filter 3)4 Rack Auto sampler ideal for high throughput includes extraction suct hosing connected to the port 4)Exhaust hood and suitable vibration free table 5)Peristaltic pumps suitable calibration standards 6)Gas pipeline 15 KVA UPS Suitable PC (i9processor,1TBHDD,21inch Monitor with laser printer
(ii)	Triple Quadrupole Gas Chromatograph -Mass Spectrometer (GCMSMS) with EI Source - 1 set.	To determine pesticides and organic compounds as per IS: 14543. 13428 and 10500	USEPA method and APHA methods Ultra fast Mass Spectrometry, GC with Split/Splitless Injection port with advanced flow Technology, Fast GCMS capability with colour touch screen. Carrier gas head pressure setting up to 1035 kPa. Injection port heating up to 450 °C High power column oven, mass range 10m/z to 1090 m/z Resolution of R> 1.5M/Unit Mass Resolution Maximum Scan Rate of 20000 amu's, electron impact ionization (EI) EI scan Sensitivity S/N ratio> 2000 for 1 pg. OFN m/z x 272 Vacuum system with 360 lit/se. TMP with Jual inlet (170lit/sec for Ion source and 190 lit/sec for detector) in differential pumping modes Auxillary pumping with 30 lit/min Rotary pump. Direct Interface between GC and MS with independent heating upto 350°C. Direct compatibility of capillary columns with ID 50 am to 530 µm. Independent Ton source heating up to 300°C Variable ionization voltage from 10 to 200 eV, Variable ionization current from 5 to 250uA Q1 and Q3 analysers: Rock solid Inert Metal Quadripole analyser with ratable pre rod. UF sweeper collision cell with energy energy upto 60 eV with Argon as CID gas. GCMS Insight software Package Rotary Pump Assy includes a Rotary pump and connecting kits 2)Auto Injector and sampler with Auto sampler and mounting parts 3)Screw thread clear vial PTFE/while silicone septa 100pcs 4)Mass Spectral library for GCMS 5)Exhaust Duct Assembly and pets for Ulvac RP pump 6)Head Space Sampler with loop and valve based static with direct interface with GC. electronic carrier gas controlvial pressurization with leak check 7)Advance flow controller with hand crimper for 20mm top 11S vials, Gas purification panel with SS Tubing, PVC casing etc. 8)PC with 19 configuation with Printer 9)10 KVA UPS with 1 hr back up 10)Working Table

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(iii)	Triple Quadrupole Liquid Chromatograph-Mass Spectrometer (LCMSMS) with Heated ESI ionization source - 1 set	To determine Organo Phosphorus pesticide and Isopruturon as per IS 14543,13428 and 10500	USEPA and APHA Methods 1)Instrument with mass rang w m/z 2- 2000. Mass stability 0.05u/24hr, max scan speed-30,000u/sec. interface replacement is possible without breaking vacuum. ESI Probe, max flow rate 0.001-2 ml/min. Ultra-Fast polarity switching from positive to negative 5m/sec. MRM Transition speed max 555 channels/sec. Sensitivity- ESI (positive- S/N> 550,000:1 based on 1 pg/ul Reserpine on column, Ful injection volume based on MRM mode. ESI (negative)- S/N > 550,000:1 on 1 pg/ul Chloramphenical on column. Ful injection volume based on MRM mode. Scan modes Q1.Q3 and MRM precursor ion scan, product ion scan and neutral loss scan. Collision cell, ultra fast MRM transistions with high sensitivity. 2)Vacuum system: Rotary pump with 28m3/hr, Triple Inlet Turbo molecular pump and auto start up and auto shut down. Mass analyser Q1 & q3 are molybdenum hyperbolic mass filters with Pre rods. Q1 includes post rods, Ion optics, A-array focus optics operating in field flow mode. multipole Transfer optics. Detector: secondary electron multiplier with off axis conversion dynode. Detectable ions:Positive and negative. selective Tuning: auto tuning manual tuning with standard samples. Built in fusion pump for auto tuning and calibration 3)LCMSTQ License, peak intel bundle, standard sample for start up procedures, LCMS Data Kit. IQ/QQ Papaverine standard sample. Programmable flow divertable valve. Rotary Pump. Pump oil 4)Nitrogen Generator with built in air compressor 5)Liquid pump with max pressure 130 Mpa. high pressure binary gradient solvent delivery system, built in online membrane vacuum degasser. Mixer with mixer recognition device 6)Auto sampler with sample cooler, injection volume 0.1 50µl accuracy 1%, linearity >0.9999% Sample for processing: 162. Injection volume reproducibility: RSD 1.0% 7)Vial plate 1.5ml. vial 1.5ml glass, sample loop for loop injection 20µl 8)High performance column oven, forced oven, forced air circulation, temperature control range -room temperature 10 Celsius 85 C accuracy.0.8 C Temperature precision 0.2C Active per heater 9)LCMS Clipping kit, MPM, bottle holder with all installation accessaries 10)E-1QQQ License 11)Branded PC with 19 configuration and printer 12)10 KVA UPS with 1 hr back up
(b)	**Mechanical Lab**		
(i)	Pull out Test attachment for BS UT-2000 JD -1 No .	Carry out the Pull out test for TMT Bars and assemblies attached to UTM 2000 KN	IS 2770 (Part 1):1967 Attachment For pull out Test and related accessories.
(ii)	Bend Rebend-Testing machine -1 No	Carry out the Bend and Rebend Test for TMT Bars	IS 1599: 2023 Remote operated Bend Re bend -Testing Machine Operation of the machine will be via Remote Control. The following Mandrels are included. 16 20 24 30 32 36 40 48 50 56 60 64 70 72 75 80 84 96 100 108 112 120 125 128 140 144 150 160 175 180 192 200 216 224 240 252 256 280 288 320 Includes 180-degree bending fixture
(iii)	MOR Testing Machine -500 kgf up to 120 x 120 CM Tiles with Automatic pace rate control - 1 no.	Carry out the Modulus of Rupture Test for ceramic Tiles	IS 13630 (Part 6): 2019 IS 15622:2017 Touch Screen Control panel and automatic pace rate control. Control to rate of loading at 1 Newton per mm square per second. Capacity:500 kgf, Least Count 0.1 kgf, Accuracy: 0.2% of full scale. Working on 230 Volts AC,Single phase 60Hz,PC Connectivity with software. PC Software for MOR Testing machine, Calibration Charges (NABL)

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(c)	**Electrical Lab**		
(i)	Swedish Chimney – 1 no.	Flame Retardation Test for Single Cable (Part 61)	IS 1554 Part1, 1554 Part2 & IS 10810 (Part 61) Swedish Chimney with Digital Dial Indicator, Digital Thermocouple and Ethanol Fuel Tray
(ii)	Flammability Test Chamber –1 no.	Flame Retardation Test for Bunched cable	IS 1554 Part1,1554 Part2 &TS 10810 (Part 62) Flammability Test Chamber 4x2x1 meter in stainless Steel 304 with Ladder 500mm *800mm Burners 70,000btu/hr - 2Nos *Flow Console for Air 10-1001/min and Propane 1-13 L/min (Set x 2 Nos) to operate two burners *Conventional Flow meters Glow Stick Ignition Air System with Differential Pressure Probe Automatic Ladder Loading. Unloading System
(iii)	Dielectric Break down Tester –1 no.	To Measure Breakdown Voltage and Strength for Insulation Mats	IS 15652:2006 *Maximum Capacity :200kV *Out Put Current:100mA *Trip Current: 10,20,50 & 100mA *Voltage Measurement Accuracy: +1.5% of reading,+0.25 of full Scale *Input :230V @ 50Hz
(iv)	Melt Flow Index Apparatus material – 1 no.	To determine Melt Flow Rate of Thermoplastic	IS 14255 :1995 Melt Flow Index Test with automatic sample Cutting, In-Build weighing balance and Automatic MFI Calculation
(v)	Vicat Softening Point Apparatus –1 no.	To determine Vicat Softening Point of Thermoplastic material	IS 14255:1995 VST Apparatus with LVDR (With Silicon Oil) *Twin Station machine to have two sample to be tested at the time. *Jacked bath to have cooling water circulation. *Heating rate of 50°C/hr & 120°C/hr combined in a single PID controller. *Max. working temp 250°C *Machine is supplied with required weights to perform both the tests. *LVDT 02 Nos *Software program: Graphic display and print through your PC/LAPTOP, Penetration/Deflection Vs Temperature graph and Values of vicat softening temperature and heat deflection temperature could be obtained to PC
(vi)	Carbon black content setup –1 no.	To determine carbon black content of thermoplastic material	IS 14255 :1995 "Tube Furnace 300mm long *Temp Ambient to 1000°C temp controlled by PID Controller *Accuracy ±1.2 °C *Quartz tube of 30mm ID and 400mm Long 75mm Quartz boat *Rotameter is of the range 0.5 to 2.5 lpm flow of nitrogen *Timer 30Min
(vii)	Air Bomb and Oxygen Bomb Appraratus – 1 no.	Air Bomb and Oxygen bomb Appraratus test for Elastomer insulated cable	IS 9968 Part: 1988 *The Chamber Cylindrical in Shape and its inner Dia 250mm and Height 500mm *Sample Hang :24Nos *Air pressure inside Chamber 0-2.5Mpa± 0.02Mpa *Digital PID Controller *Digital Pressure Indicator
(viii)	Environmental Stress Crack Apparatus – 1 no.	To determine susceptibility of thermoplastic material to Environmental Stress Cracking	IS 14255:1995 *Water Bath Inside SS and Out side M.S with heat Insulation Inner size 12x14x12 inches *RTD Sensor *PID temp. controller *Max temp :200°C *Resolution :0.1°C *Accuracy:0.5°C
(ix)	Glow wire test Apparatus with timer –1 no.	To determine resistance to flame propagation of thermoplastic material	IS 14927 Part 2:2001 *Glow Wire: A loop of 4mm Dia *Wire Temp.: Ambient to 1000°C *Temperature Controller: Four Digit, PID *PLC: Logic Controller *Volume:0.5+Cubic meter
(x)	Water Bath –1 no.	To Test Insulation Resistance	IS 9537 Part 3 & 1 Hot water bath ambient to 60 degrees with Stainless Steel Tank, sample holding capacity 3 samples

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(xi)	AC HV Test Equipment –1 no.	To Test High Voltage	IS:694 IS:1554 & IS:7098 AC HV Test equipment with 10nos HV outputs, leakage current 25mA
(xii)	Digital Micro ohm meter –1 no.	To Test Resistance and Resistivity	IS:694,IS:1554 & IS:7098 Range :0.1 micro 2000 ohm to 50 k ohm Resolution:0.1 Micro Ohm Test current:10A Max Accuracy: +-0.25%
(xiii)	Online UPS –1 no.	To test high Voltage and insulation Resistance	IS:694, IS:1554 &.IS:7098 Online UPS 10KVA input voltage:230V Output Voltage:230V Range: 0-10 KVA Battery: Included
(d)	**Leather & Footwear**		
(i)	Whole shoe flexing tester –1 no.	It is a balancing facility to test all the parameter of physical and chemical tests, as per the requirement of BIS and Tamilnadu Textbook Corporation, Govt. of Taminadu who has placed order for testing footwear/school bag/tool kit	IS 15298-part 1 Flexing frequency 140±10 cycles/minute, Maximum angle of flexing of shoe 45, Number of shoes, tested at a time Two Timer Digital timer of range 99.9 s having a resolution of 0.1%, Counter capacity upto 999999
(ii)	Penetration resistant Insert flexing tester – 1 no.	It is a balancing facility to test all the parameter of physical and chemical tests, as per the requirement of BIS and Tamilnadu Textbook Corporation, Govt. of Taminadu who has placed order for testing footwear/school bag/tool kit	ISO 20344-2020 Bending stroke 33mm, Distance between guide rod and fixture 70 mm, Test speed 960CPM, Test time 10 times
(iii)	Bursting strength tester –1 no.	It is a balancing facility to test all the parameter of physical and chemical tests, as per the requirement of BIS and Tamilnadu Textbook Corporation, Govt. of Taminadu who has placed order for testing footwear/school bag/tool kit	ISO 1060-I, IS 15844 Bursting capacity 0-70 kg/cm², Opening in upper clamp 31.5 mm dia, Opening in lower clamp 30.5 mm dia, Rate of fluid displacement 95cc/min, Least count of sensor 0.01kg, Glycerine capacity 100 ml.
(iv)	FTIR library–1 no.	It is a balancing facility to test all the parameter of physical and chemical tests, as per the requirement of BIS and Tamilnadu Textbook Corporation, Govt. of Taminadu who has placed order for testing footwear/school bag/tool kit	ISO 20344-2020 Polymeric standard library-Attachment to the existing machinery (FTIR)
(v)	Brightness tester–1 no.	It is a balancing facility to test all the parameter of physical and chemical tests, as per the requirement of BIS and Tamilnadu Textbook Corporation, Govt. of Taminadu who has placed order for testing footwear/school bag/tool kit	ISO 1060-I Automation Grade: Automatic, Display Type: 4 line Character LCD Green, Light Source: Quartz Tungsten Hologen Lamps, Measurement Value: 5,00,000, Dimension: 30 mm dia
(e)	**Microbiology Lab**		
(i)	Environmental Chamber –1 no.	Mould growth test in Electronic/Electrical/Automotive Defence military /Aerospace / optical products / sensor plastic/ paints & To meet NABL Guideline requirement.	JSS 55555-2020, MIL-STD 810 F, , MIL-STD 810 G, , MIL-STD 810 H, JSS 5855, JSS 0256, IS: 9000- X *Chamber capacity 500lit *Temperature range:25 to 180 °C *Humidity: Ambient to 93% *Control-PLC and HMI *No of trays-3 no's *Capacitance based humidity sensor *Suitable stabilizer *Data logger suitable for above *PC computer suitable for above

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(ii)	Analytical Balance – 1 no.	Mould growth test in Electronic/Electrical/Automotive Defence military /Aerospace / optical products / sensor plastic/ paints & To meet NABL Guideline requirement.	JSS 55555-2020, MIL-STD 810 F, , MIL-STD 810 G, , MIL-STD 810 H, JSS 5855, JSS 0256, IS: 9000- X *Capacity:200gm *Resolution 0.1mg *Accuracy:0.05% *Measurement time in second:5-10 sec. *Electronic display: LCD/LED with touch pad. *Capacity: 100-149 lit Overall length/wid height (in mm):600millimeter *Temperature range: Sto 6000 *Temperature Accuracy 1°C *Temperature uniformity: *Body material stainless
(iii)	BOD Incubator –1 no.		JSS 55555-2020, MIL-STD 810 F, , MIL-STD 810 G, , MIL-STD 810 H, JSS 5855, JSS 0256, IS: 9000- X *Capacity: 100-149 lit Overall length/wid height (in mm):600millimeter *Temperature range: Sto 6000 *Temperature Accuracy 1°C *Temperature uniformity: *Body material stainless Steel * Features: PID Temp controller, Analog ampere meter, pilot lamp, Sefety thermostat, refrigeration system, safety alarm.
(iv)	Bio safety cabinet class II –1 no.		JSS 55555-2020, MIL-STD 810 F, , MIL-STD 810 G, , MIL-STD 810 H, JSS 5855, JSS 0256, IS: 9000- X *Class of biosafety cabinet LASS II (A2 TYPE) *Direction of air flow: Vertical *Type of air flow pattern: 70% air recirculated through filter 30% exhausted. *Pressure monitoring: 13 to 14 min Hg *working area: stainless steel 304 grade. *Material used for cabinet area stainless steel 304 grade. *Type of sterilization: UV germicidal tube. *Filteration efficiency of HEPA filer: 99.99% for 0.3 micron particles. "Depth of the working the area in fect: 2ft and more. "Height of the working the area in feet: 2ft and Type of display LCD Front door clear,

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