

Frequently Asked Questions (FAQ2)**1. Name of the Equipment: CIPET_HO/Pur/Ten.03/2020-21/79/CNC EDM / CNC EDM Die Sinking Machine**

S. No.	Query	CIPET Response
1	Work tank method: Manual Hinge door or Auto Elevation tank	Manual Hinge door.
2	Can we quote EDM oil – (Idemitsu) suitable for EDM machine	Suitable EDM oil for smooth running of the machine can be quoted.
3	Rotary head – Horizontal or Vertical type	Vertical type.
4	Probe: 5 mm sphere suitable for sinker EDM process. 20 Dia will not fulfil general requirement.	Suitable diameter of sphere for smooth running of the machine can be quoted.
5	Measurement resolution - μm , Change to 0.5 μm or better	Value cannot be changed; the value is 0.1 μm or better as per tender specification.
6	Max. machining current (Option) – A, Change to 50 Amp as standard & 70 A or more as option	Value cannot be changed; the value is 80 A (option) as per tender specification.
7	Minimum surface roughness (Ra) - μm , Change to 0.3 μm Ra or better	Value Cannot be changed; the value is 0.1 μm or better as per tender specification.
8	Automatic Tool Changer Linear, Change to 4 tool or better	Cannot be changed; No. of tools available in ATC for your machine can be quoted.
9	Rigid Linear Motor (X, Y, Z), Change to /Direct coupled AC Servo motor	Cannot be changed; Rigid Linear Motor suitable for smooth of the machine can be quoted.
10	Rotary Head, Please clarify	It is a fixture suitable (for C axis) for machine.
11	Silent operation Air Compressor with drier, Suitable for machine operation	Cannot be changed; Silent operation Air Compressor suitable for smooth running of the machine can be quoted.
12	Collet holder with collet set, Please clarify as in point No. 11.16 it is included.	Dia. 1 mm to 25 mm collets with suitable no.of holders can be quoted; It is not included in Specification Clause No: 11.16 .

2. Name of the Equipment: CIPET_HO/Pur/Ten.03/2020-21/27/Contour cutter

S. No.	Query	CIPET Response
1	Standard templates: as per ASTM & ISO standards	Templates as per following standards need to be supplied as per the details mentioned in Tensile Strength : ASTM D 638 - Type I to V, IS 12818:2010, IS 4984: 2016 , IS 13592, ISO 527 Flexural : ASTM D 790 Impact: ASTM D 256 / ASTM D 6110

3. Name of the Equipment: CIPET_HO/Pur/Ten.03/2020-21/45/Hydrostatic Pressure Testing machine

S. No.	Query	CIPET Response
1	Whether the requirement is Pneumatic type or Air less motorized pump	Bidder may offer two separate systems for pressure development, Hydrostatic pressure tester & Burst strength tester Specifications are given under SI.No.12-13 and SI.No 28 respectively.

4. Name of the Equipment: CIPET_HO/Pur/Ten.03/2020-21/55/TGApparatus

S. No.	Query	CIPET Response (Corrected Specification)
1	Temperature/ Range, RT to 1200°C	RT to 1000°C
2	Balance/ Capacity, 1300 mg	1000 mg

5. Name of the Equipment: CIPET_HO/Pur/Ten.03/2020-21/76/Xenon arc weatherometer

S. No.	Query	CIPET Response
1	S No.2, Specimen Capacity, 100 No's, Is this specimen holder quantity or specimen quantity. We would like to know the specimen details minimum & maximum dimensions, Weight, Sizes since the quantity will vary accordingly. Specimen Holders can accommodate more quantities of smaller dimension specimens and vice-a-versa. Will this specification being a qualification or call for rejection if this is not complied?	Generally, Izod or Charpy impact specimens are used for evaluation. The size of the sample is 127 mm x 12.7 mm x 3.2 / 6.4 mm. Also, please refer S.No. 4 of technical specification, i.e. exposure area should be minimum of 10000 square centimeters.
2	SNo.6, Specimen Holders, Atleast 3 different sets of sample holders should be provided to accommodate different types of samples such as rigid plastics, plastics films, textiles, paper/cardboard, foam, rubber sheet, leather, photovoltaics, etc, Please clarify: Specimen Holder specifications: 3types : Quantity, size and application.	Provisions for holding 3 dimensional products in addition to flat specimens, e.g. Automobile parts.
3	SNo.10, Light Filters, Suitable Interchangeable filters (for inner & outer filters), There are a variety of inner & outer filters. Quartz/Borosilicate, Borosilicate/Sodalime, Right light/Quartz etc. We can supply filter combinations with suitable operating hours package. We can supply Filter Combinations and No of Hours Specified Packages — Lamps, Inner Filter, Outer Filter — Kindly clarify.	Yes. Light filters shall be supplied based on the suitability for the irradiance source wattage, lamp wavelength (340 nm) etc.
4	S No.12, irradiance Range, 0.2 to 180 W/m2, There is an anomaly - e 180 W/m2 competitors models can test lesser quantity by employing smaller	Yes. Bigger rack size with irradiance range of 0.2 - 180 W/m2 is required.

	<p>rack and We have lesser W/m2 Capability however our testing sample capacity remains same.</p> <p>Do you wish to fulfill both 180 W/m2 and Bigger rack simultaneously?</p> <p>What are the correct expectations here?</p>	
5	<p>S NO.18, Chamber Temperature, Light Cycle (Any filter)-30-70 deg C, Dark Cycle-15 -60 deg C through Air circulation, We do have WeatherOmers which has inside air heaters to have temperatures from room temperature to 60 Deg C in Dark Cycle or little elevated Temperatures in case of Light cycles.</p> <p>How do you intent to achieve less than room temperature in Dark cycle is not known. Could you please inform more, Which standard and how this feature is required to fulfill which test method.</p>	From ambient is enough
6	<p>S No.21, Xenon Lamp System, Calibrated Lamp with Cooling System. Calibration Certificate with Traceability should be provided. All Weather Ometers require a cooling system for dissipating the heat from the xenon lamp. Does this mean that you expect the equipment should have an inbuilt(internal) cooling system inside the chamber for continous operation of the system without any additional footprint. Please clarify.</p>	Calibration of Lamp signifies the wavelength and irradiance of the lamp.
7	<p>S N».24, Software & Display-Pre- Programmed Test Methods, 10 Pre-programmed Test Methods, Does this mean that the equipment should have a minimum of 10 pre-programmed International Test Standard Test Methods such as ISO, ASTM etc as referred in Standards Specifications point 7.</p>	Yes.
8	<p>S N• .28, Radiometer, To measure radiant flux for self calibration to be provided (Calibration certificate with traceability should be provided), Please clarify- You have already requested for A calibrated Xenon lamp with traceability for calibration of Irradiance. However you have again asked for radiometer with finite calibration period which is also used for Irradiance Calibration.</p>	Xenon lamp is a consumable, and needs to be calibrated whenever replaced. If a radiometer is provided, inhouse calibration of lamp shall be carried out.
9	<p>S No.32, Workstation, Latest Windows Based, reputed Branded Computer with B/W Laser Jet Printer, Do you mean to say separate DeskTop / Laptop PC to be supplied here?</p> <p>Please clarify Specifications of the workstation and license softwares required to be installed.</p>	S.No. 29: If an inbuilt display for programming is available, a separate workstation may not be required. (You can specify in tender that display is available and a separate workstation is not required for the quoted model).
10	<p>S No.35, Manufacturer Credentials, Should have sizeable installations of same Model worldwide or atleast 2 same or similar model. Whether the requirement criteria is in India or worldwide?</p> <p>Please clarify minimum Installations of same Model in India, duration / period of installation per Model installation</p> <p>Is this a qualification / Rejection Criterion ?</p>	At Least 2 similar or the same model should be installed worldwide.
11	<p>tem, All Weather Ometers employing a Xenon arc lamp require a cooling system for dissipating the heat from the xenon lamp. Does this mean that you expect the equipment should have an inbuilt(internal) cooling system inside the chamber for continous operation of the system without any additional footprint. Please clarify.</p>	Cooling system, need not be inbuilt. However, the required accessories covering the cooling system (compatible to the quoted model) to be quoted along with the weatherometer.

12	Cooling Ducts, The heat generated from the Weather Ometers need to be exhausted out of the laboratory. Will CIPET provide the necessary ducting. Please clarify.	CIPET shall provide the cooling duct. However, the complete requirement should be provided by the supplier in pre-installation requirements.
13	Stabilised Po'A/er Source, The Weather Ometer requires stabilised power source & hence a suitable servo stabiliser is required for trouble free operation of the instrument but the same is not mentioned in the technical requirements. Hence please clarify.	Servo stabilizer and any other accessories required for stable power may be quoted