


Maharashtra State Electricity Transmission Co. Ltd
(CIN No.U40109MH2005SGC153646)

<p>From Office of the Chief Engineer EHV Project Cum O&M Zone, Pune Administrative Building, 3rd floor, Block No.402, Rasta Peth, Pune - 411 011 ☎ 020 26066106 (O) 020 26061132 E-Mail : cepune@mahatransco.in</p>	
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No. CE/EHV PC O&M/Zone/Pune/IT/907

Date: 14.05.2025

E-ENQUIRY (Through MSETCL web page)

Sub: E-Enquiry for ‘Annual Maintenance Contract (AMC) for one year for Computers (Desktops, Laptops and such a devices), Local area network (LAN) And allied devices of LAN, Printers, general purpose and system software including supply, installation & maintenance at MSETCL Offices in Administrative Building, Rasta Peth, Pune- 411 011 with online support services to MSETCL’.

Dear Sir/Madam,

Sealed and Super scribed quotations are invited for the Annual Maintenance Contract (AMC) as mentioned per ‘Scope of work’ & ‘Schedule-A,B’. You are requested to quote your lowest rate for above work.

The terms & conditions are as follows: -

1. The rate in % should be quoted on firm quotation basis. % Rates should be quoted on ‘**exclusive rates**’ mentioned in Schedule-A, B’ (*GST @ 18% will be included later on exclusive % rates quoted by bidder*). Form to submit the response is attached herewith. The period of the contract shall be one year (12 months) or exhaust of work order amount, whichever is earlier, from the start date of Work Order/LOI, so rates shall be valid accordingly.
2. The value of work order will be limited up to Rs. 10,00,000/- (Rs. Ten Lacs only/-) inclusive of any taxes.
3. Any configuration, item specification, work execution, guidelines shall be as per ‘Scope of Work (Annexure-A)’ and ‘Schedule-A, B’. Refer ‘Schedule-C’ also.
4. Enclose copy of following valid documents, along with quotations.
 - a) Registration under ‘Shop Act’ or ‘NOC of Gram panchayat’ or ‘Udyam aadhar’.
 - b) PAN card
 - c) GST Registration certificate

- d) Minimum one 'Work Order' of similar work within last 3 years of any sector (MSETCL/MSEDCL/MSPGCL or any 'Government/Semi-government/Private' establishment)
5. **Your duly filled with sealed and super scribed quotation should reach this office on or before date 20.05.2025 at 12.00 Hrs. without fail. Date of opening of quotation is 20.05.2025 at 15.00 Hrs. (Probable). Quotations received after due date & time will not be considered.**
6. The successful Bidder shall accept the offer within 7 days from LOI/Work Order OR it will be presumed that concern bidder is not interested for same work. The successful Bidder shall pay 10% of the contract value towards 'security deposit' (S.D.) with the acceptance of LOI/Work Order. After expiry of the contract period, interest free 'Security deposit' will be refunded in normal course, subject to any decutions/penalty (if applicable) & as per MSETCL terms & conditions. In case of breach of contract during contract period, S.D. will be forfeited without assigning any reason.
7. The successful Bidder shall execute Agreement on Rs.500/- (Rs. Five hundred only/-) stamp paper in 'MSETCL format' within 7 days from the issue of Work Order/LOI. Bidder shall bear Cost of the 'stamp paper & execution of agreement'.
8. Any disputes related to the contract shall be subject to the exclusive jurisdiction of Pune District Court only. The MSETCL's general '*Terms & Conditions*' shall be applicable & binding on bidder for this wok contract. (Queries Contact: 9322948870)
9. The right to place a 'work order/LOI' or to 'cancel' this work without assigning any reason is reserved with this office.

Thanking You.

Enclosed: 'Schedule- A, B & C' and 'Scope of Work (Annexure-A)'

Yours faithfully

Sd/-

(Anil Kolap)

Chief Engineer

EHV PC O&M Zone Pune

Copy to:

AGM (F&A), EHV PC O&M Zone Pune.

MF/Notice Board

FORM FOR QUOTING % RATE FOR ITEM INCLUDED IN SHEDULE ‘A, B’ & AS PER ‘SCOPE OF WORK (ANNEXURE-A)’ on the letterhead of Company/Agency

Name of Work: ‘Annual Maintenance Contract (AMC) for one year for Computers (Desktops, Laptops and such a devices), Local area network (LAN) And allied devices of LAN, Printers, general purpose and system software including supply, installation & maintenance at MSETCL Offices in Administrative Building, Rasta Peth, Pune- 411 011 with online support services to MSETCL’.

Estimated Cost: Limited up to Rs. 10,00,000/- (Inclusive of GST)

I am ready to execute the above mentioned work to

1. _____% above (In words_____ above)
2. _____% below (In words_____ below)
3. At Par (As per Schedule-A,B)

of the estimated cost.

Date:

Stamp & Signature:

Note: If the percentage variation is more or less than 5% detailed rate analysis should be enclosed.

Scope of Work (Annexure-A)

Subject: Annual Maintenance Contract (AMC) for one year for Computers (Desktops, Laptops and such a devices), Local area network (LAN) And allied devices of LAN, Printers, general purpose and system software including supply, installation & maintenance at MSETCL Offices in Administrative Building, Rasta Peth, Pune- 411011 with online support services to MSETCL and to float Tender and work order for same work.

- 1) The Annual Maintenance Contract (AMC) shall be valid for a period of one year from the date of commencement (Commencement date shall be informed to the agency after completion of existing W.O.). However, in the event of unsatisfactory services or supply of spares, MSETCL reserves the right to terminate the contract at any time during its tenure by providing a seven (7) days' notice to the agency. The agency is required to provide an official email ID for this contract. MSETCL shall consider this email ID as the official mode of communication for all correspondence related to the contract.
- 2) The agency shall be responsible for troubleshooting, breakdown resolution, preventive, regular maintenance, and support for all IT systems, including but not limited to:
 - i. Computers and Laptops
 - ii. Printers
 - iii. Wi-Fi Networks
 - iv. Local Area Network (LAN)
 - v. Projectors
 - vi. CCTV Systems
 - vii. Power Supply of IT SystemsTo ensure a comprehensive understanding of the existing MSETCL IT infrastructure, the agency may conduct a site visit.
The approximate quantity of IT assets covered under this contract includes:
 - i. 170 Computers and Laptops
 - ii. 130 Printers
 - iii. 40 LAN and Allied DevicesThese assets belong to various brands, including but not limited to Lenovo, Dell, HP, Epson, Cisco, D-Link, TP-Link, Sophos, and assembled systems. The exact count of devices may vary over time.
- 3) **Printer:**
 - i. Printer Maintenance & Toner Refilling – The agency shall perform printer troubleshooting and toner refilling as needed.
- 4) **Fiber Optic Services:**
 - i. Fiber Optic Services – The agency shall carry out splicing, termination, and testing of fiber optic cables whenever required.
- 5) **Cleaning & maintenance Services:**
The agency shall conduct cleaning and maintenance of all IT systems, including but not limited to:
 - i. Computers
 - ii. Printers
 - iii. LAN Devices
 - iv. Video Conferencing Equipment
 - v. UPS Systems

vi. Projectors

Cleaning shall be carried out using a blower and/or cotton, with a frequency of twice a month or as required by MSETCL to ensure the removal of dust and dirt. The scope of work shall also include:

- i. Lubrication of working assemblies
- ii. Cleaning of optical drives (CD/DVD drive heads)
- iii. Printer head cleaning

The agency shall use its own tools and materials, including any required lubricants for computers, printers, projectors, CCTV systems, and other IT equipment.

6) **Spares:**

- a) Agency will provide & install 'New spare' (New & Faulty spares to be replaced) with 'Original Brand New' spare, as per item list given in Schedule- 'A'.
- b) **Timeline:** Agency will provide & fix all required spares within same working day after reporting to them (via any Email/Phone/SMS/Any Messaging App/ITAMS). For some specific spares, MSETCL may give extended timeline at sole discretion of MSETCL. Agency is suggested to maintain sufficient inventory of spares at the site.
- c) **Authenticity of the Spare/s:** All spares should be new (box packed & sealed), original, branded & authentic. To prove authenticity of the spare, Agency may be asked to provide original certificate (electronic mode also accepted). Barcode/hologram may be scanned through app. Unless authenticity of spare is proved, MSETCL will not allow spares to be installed.
- d) All spares are of 'providing & fixing' manner except like 'Splicing & Termination of Fiber Optic Cable'. Means, e.g. if UTP Cat-6 cable is to be replaced or installed, for this work 'scope of work' shall be, providing and fixing UTP Cat-6 cable with PVC capping, casing, labour, crimping, drilling, screws, tags, removing old set up and all things required for the same work, so 'One (1) Meter UTP Cat-6 Cable' in 'Schedule-A' comprises of all this. This is just an illustrative example and this illustration is applicable for all spares in Schedule-A.
- e) Agency shall maintain the spares as per manufacturer/OEM's guidelines and shall use standard spares for replacements. In case of an instance of sub-standard repair /replacement of parts by the agency, it may lead to cancellation of the contract and any other legal action may be taken against the agency.
- f) Due to change of type in any basic spare, spare matching/relative spare with Schedule 'A' can be installed as per requirement of MSETCL.
- g) **Warranty:** New spares shall have minimum one-year onsite warranty (by agency only) or as actual warranty (if warranty is more than one year, provided by manufacture/OEM) after installation. Within warranty period, Agency will have to 'replace' faulty spare with 'New Spare' as per all conditions of 'Scope of Work' free of cost. Warranty is considered against original spare installation/work completion date. All spares or service should be compatible with existing & upcoming MSETCL IT Systems.
- h) MSETCL reserves right to choose brand of any spare and shall be applicable to the agency.

7) **Local Area Network (LAN):**

Agency shall do:

- a) Network management, traffic monitoring, updating of software on the network hardware.
- b) Running latest diagnostic software to LAN. Speed checking and resolution of LAN related issues.

- c) Firewall policies will be designed & applied by agency whenever required by MSETCL.
- d) Any configuration related to Firewall, Switches, Modems, and Routers and allied all LAN equipment.
- e) IP Schema Management.
- 8) **MSETCL Helpdesk Management system & ITAMS: -**
Agency shall do:
 - a) Preparing Daily Call Report & Pending Call Report & Daily Call Logging Sheet.
 - b) Maintain inventory of issued, replaced, faulty, standby spares.
 - c) Inventory Management of hardware and software installed in all locations under EHV PC O&M Zone, Pune.
 - d) Online support services to MSETCL jurisdiction over phone by using tools like anydesk etc.
 - e) Help & presence at other MSETCL locations for Meetings or any issues.
 - f) Maintenance, update, Track of MSETCL - IT Asset Management System in consultation with IT Section.
 - g) Data backup of IT systems as per guidelines by IT Section.
- 9) **Tools:** Agency shall make available all tools like but not limited to fibre optic splicing machine, crimping tool, testers, pen drive, USB back up hard disk, SATA Hard disk, printer diagnostic spares, drilling machine, big & small size blower, computer & printer & CCTV repair toolkit and any troubleshooting and diagnostic tools on the site.
- 10) **Software:** Agency shall provide & install full working any setup of software required to MSETCL like but not limited to MS Windows OS Pro 10/11, MS Office Pro 2021 or latest, Adobe reader, Printer drivers, Computer drivers, DVD burning tools, IP messenger etc. Also, MSETCL will intimate to agency other software set up required on 'time to time' and agency shall provide setup within one day. Agency shall also install MSETCL's Antivirus software, SAP GUI, VPN, IP Messenger etc. Software Installation timeline shall be two (2) hours after reporting. Agency will install all MSETCL required softwares.
- 11) **Internet monitoring:** Agency shall check Internet connectivity on daily basis compulsory by morning and evening closing time, call log to ISP, track and get resolved the complaint. Check and troubleshoot related issues of End users and ISP.
- 12) Works assigned by IT Section related to all IT Systems existing and upcoming (e.g. Computer Hardware, Software, LAN, MSETCL systems etc. Work will be extended as per new additions of IT systems as per requirement of MSETCL on time to time.
- 13) Standard operating procedure (SOP) will be given by IT section regarding all work.
- 14) **Support staff:**
 - a) Agency shall provide one (1) support staff at the site. Commencement of contract will be considered after providing email Id & mobile number with support staff to MSETCL.
 - b) Agency shall provide one Email Id & Mobile number having messaging account to support staff to communicate to MSETCL. MSETCL officials will call on these numbers or email for services. Email Id and Mobile numbers should NOT be changed during contract period. Also, Agency shall provide internet to the support staff.
 - c) Support staff should be well experienced and skilled Certified in computer Hardware, Software, Printer and Network and overall IT devices and systems & needs to have ability to execute full work as per this contract.
 - d) Support staff should be able to troubleshoot, diagnose, resolve and should be competent to repair all types of Computers, Laptops, Printers, Scanners, Servers, UPS and LAN with all LAN equipment, CCTV, Projectors and overall IT devices and systems, and should be able to handle networking protocols including but not

limited to Internet Protocol, Microsoft protocol etc., firewall, switch configuration, PC format with reinstallation of system software with back up at MSETCL. Support staff should have profound knowledge of all IT infrastructure.

- e) Support staff should have minimum One (1) year of relevant experience. MSETCL may will at any time test the knowledge of Support staff by self or third party. Any fault or issue or problems or loss occurred to MSETCL due to lack of knowledge of support staff, in this case, concern agency shall be responsible for the same and MSETCL will get this work by third party agency & losses (bills by third party full / partially) with penalty will be recovered from the concern agency.
- f) Support staff should have profound knowledge of computer networking like but not limited to LAN, IP management, Managed switches management, firewall management, ISP management, creating any type of rule or configuration in firewall or switch as per MSETCL requirement. Support staff should take care that no existing setup should be hampered.
- g) Support staff should be on the payroll of the agency. No subcontract of the job to the third-party agency will be allowed.
- h) Working hour of the support staff shall be 09:30 Hrs to 19:00 Hrs on working days including break and in case of emergencies, support staff will have to attend on weekends and holidays and beyond working specified hours without any extra charges. Support staff should have his own latest Laptop with latest OS, if required for outside support, they should also have internet. Support staff service is a full month i.e. 30/31 days as the case may be.
- i) Support staff will report on every day morning to the IT Section. Agency has to provide replacement for Support staff in case of absence of any Support staff of same capacity.
- j) Support staff shall do basic works like but not limited to drilling/electric/screw fitment etc. Support staff shall handle logistics related to AMC without any extra charges.
- k) MSETCL shall not provide any accommodation or travelling allowance to agency or support staff.
- l) Support Staff shall attend call within 30 minutes after reporting.
- m) All 'Annual Service charges' with respect to complete 'scope of work' are mentioned in 'Schedule-B'.

15) Temporary Standby Spares:

- a) In case of troubleshooting/failure, agency will provide standby spares of same quality & capacity to the end user. For example, in case of Hard disk format or failure, agency shall temporarily install his standby hard disk with all softwares till new spare i.e. hard disk is installed. Example is just illustrative purpose & applicable to all spares & services. This standby spare will not be permanent.

16) General Terms & Conditions:

- a) Agency has to provide substitute Support staff in case of absence of any Support staff of same capacity.
- b) Any complaint received to support staff directly or through this office shall be attended promptly. After attending the complaint, duly signed certificate of the end user with his reporting officer sign shall be obtained for which spares are consumed. Log of calls attended should be maintained in a register in a format given by MSETCL and in E-ticketing system (if becomes operational). Agency will provide register to MSETCL. Any such a register/s during contract period will be kept safe by agency & Agency will hand over these registers to MSETCL at the end of contract. Any sort of ignorance towards complaints will be viewed seriously.

- c) Agency shall provide & install new spare/s configuration, installation as per Email from IT Section only.
 - d) Day to day reporting of completion, pending work should be submitted to IT Section in Excel format.
 - e) Work completion date will be considered via agency email reply date only as per scope of work.
 - f) MSETCL may utilise services of this AMC in Pune & PCMC region time to time.
- 17) Penalty Clauses:** As per Schedule-'C'. In case of delay due to all subjects mentioned in 'Scope of Work', MSETCL will get completed same work from any third-party agency & bills from third party agency along with 'penalty' as per 'Penalty Clauses' will be deducted from bills or S.D. of the agency.
- 18) Comprehensive Items:** CCTV System, Switches, Firewall, WIFI, VC Devices with Configuration are comprehensive items. Means, Agency should take care proactive actions to safeguard them. Agency will keep 30 Days CCTV Back up Secured on MSETCL Back up. VC System/s will be comprehensive & will be custody of Agency.
- 19) Bill Payment:** Billing cycle will be per month (after completion of the month) from date of commencement of the contract and shall be as per Schedule-A, B, C and with respect to Scope of Work. Agency will raise tax invoice accordingly.
- 20)** For any queries or clarifications regarding the execution of work, the agency may contact the IT Section, EHV PC O&M Zone, Pune via email at itadmin6000@mahatransco.in.

IT AMC - Schedule-'A' (Please refer 'Scope of Work')								
Sr.No.	Type	Description	Item Specification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G	H	I
1	Desktop PC	500 Watts 8 Pin SMPS (Dell/HP/Lenovo)	Over Voltage,Under Voltage,Over Load Protection,Burnout Protection,Cooling Fan & Compatible to MSETCL Systems	Each	4800	18%	864	5664
2	Desktop PC	500 Watts 24 Pin SMPS (Dell/HP/Lenovo)	Over Voltage,Under Voltage,Over Load Protection,Burnout Protection,Cooling Fan & Compatible to MSETCL Systems	Each	4200	18%	756	4956
3	Desktop PC	2GB DDR2 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	350	18%	63	413
4	Desktop PC	2GB DDR3 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	450	18%	81	531
5	Desktop PC	4GB DDR3 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	720	18%	129.6	849.6
6	Desktop PC	8GB DDR3 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	1300	18%	234	1534
7	Desktop PC	4GB DDR4 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	1100	18%	198	1298
8	Desktop PC	8GB DDR4 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	1450	18%	261	1711
9	Desktop PC	16GB DDR5 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	3700	18%	666	4366
10	Desktop PC	256GB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1400	18%	252	1652
11	Desktop PC	512GB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2650	18%	477	3127
12	Desktop PC	1TB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5240	18%	943.2	6183.2
13	Desktop PC	256GB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1840	18%	331.2	2171.2
14	Desktop PC	512GB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2900	18%	522	3422
15	Desktop PC	1TB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5460	18%	982.8	6442.8
16	Desktop PC	256GB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1460	18%	262.8	1722.8

17	Desktop PC	512GB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2700	18%	486	3186
18	Desktop PC	1TB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5400	18%	972	6372
19	Desktop PC	1TB Internal SATA Hard Drive (Seagate/Samsung)	Minimum 7200 RPM	Each	4200	18%	756	4956
20	Desktop PC	Mouse Pad	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control	Each	45	18%	8.1	53.1
21	Desktop PC	Mouse Pad with wrist rest	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control	Each	150	18%	27	177
22	Desktop PC	Gigabit ethernet Network Cards/Adapters (D-link/Tp-Link)	Compatible to MSETCL Systems	Each	1380	18%	248.4	1628.4
23	Desktop PC	Wired USB Multimedia KeyBoard Mouse Combo (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play	Each	700	18%	126	826
24	Desktop PC	Wired USB Multimedia KeyBoard (HP/Dell/Lenovo)	Standard Size , not compact, USB,Plug & Play	Each	550	18%	99	649
25	Desktop PC	Wired USB Mouse (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each	250	18%	45	295
26	Desktop PC	Wireless Multimedia KeyBoard Mouse Combo with USB adapter (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each	1230	18%	221.4	1451.4
27	Desktop PC	Wireless Mouse with USB adapter (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each	700	18%	126	826
28	Desktop PC	White Wireless Multimedia KeyBoard Mouse Combo with USB adapter (HP/Dell)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each	3440	18%	619.2	4059.2
29	Desktop PC	600VA UPS (Artis/Luminous)	600VA UPS is required.	Each	2350	18%	423	2773
30	Desktop PC	UPS Battery (Luminous)	600VA UPS Battery	Each	975	18%	175.5	1150.5
31	Desktop PC	USB 3.0 to RJ45 Gigabit Ethernet Network Adapter : TP-Link/Storite	1 Year Warranty or as actual if greater that 1 Year.	Each	1420	18%	255.6	1675.6
32	Softwares	Windows 10 Professional Operating System Full Pack Lifetime License with OEM License Key	Lifetime License registered to MSETCL with Key	Each	10800	18%	1944	12744
33	Softwares	Windows 11 Professional Operating System Full Pack Lifetime License with OEM License Key	Lifetime License registered to MSETCL with Key	Each	13230	18%	2381.4	15611.4
34	Softwares	Microsoft Office Home & Business 2024 Lifetime Paper License	Lifetime License registered to MSETCL with Key	Each	18000	18%	3240	21240

35	Softwares	Microsoft Office Home & Student 2024 Lifetime Paper License	Lifetime License registered to MSETCL with Key	Each	9800	18%	1764	11564
36	Laptop	2GB DDR2 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	480	18%	86.4	566.4
37	Laptop	2GB DDR3 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	480	18%	86.4	566.4
38	Laptop	4GB DDR3 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	700	18%	126	826
39	Laptop	8GB DDR3 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1300	18%	234	1534
40	Laptop	4GB DDR4 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1100	18%	198	1298
41	Laptop	8GB DDR4 RAM (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1450	18%	261	1711
42	Laptop	16GB DDR5 RAM (Samsung/Crucial)	Compatible to MSETCL Systems	Each	4300	18%	774	5074
43	Laptop	256GB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1390	18%	250.2	1640.2
44	Laptop	512GB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2630	18%	473.4	3103.4
45	Laptop	1TB SATA SSD Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5200	18%	936	6136
46	Laptop	256GB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1840	18%	331.2	2171.2
47	Laptop	512GB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2900	18%	522	3422
48	Laptop	1TB NVMe Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5400	18%	972	6372
49	Laptop	256GB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	1450	18%	261	1711
50	Laptop	512GB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	2700	18%	486	3186
51	Laptop	1TB M.2 Hard Disk (WD/Samsung/Crucial)	Compatible to MSETCL Systems	Each	5350	18%	963	6313
52	Laptop	1TB Internal SATA Hard Drive (Seagate/Samsung)	7200RPM , Minimum 64MB Cache	Each	4400	18%	792	5192
53	Laptop	6 Cell Laptop Battery (HP/DELL/Lenovo)	Compatible to MSETCL Systems	Each	1700	18%	306	2006

54	Laptop	Laptop Battery Charger/Adapter : HP/DELL/Lenovo	Protection against Over Load, Short Circuit, Over Voltage & Over Temperature, should meet all the EMI/EMC and safety requirements with all the Energy Star requirements and Compatible to MSETCL Systems.	Each	1650	18%	297	1947
55	Laptop	Network Cards/Adapters (Dell/HP/Lenovo)	Compatible to MSETCL Systems	Each	540	18%	97.2	637.2
56	Laptop	Sound Cards/Adapters (Dell/HP/Lenovo)	Compatible to MSETCL Systems	Each	200	18%	36	236
57	Laptop	Laptop Keyboard (Dell/HP/Lenovo)	Compatible to MSETCL Systems	Each	1050	18%	189	1239
58	Laptop	Laptop backlit Keyboard (Dell/HP/Lenovo)	Compatible to MSETCL Systems	Each	1550	18%	279	1829
59	Printer	Black LaserJet Toner Cartridges: HP 12A	Compatible to MSETCL Systems	Each	5000	18%	900	5900
60	Printer	Black LaserJet Toner Cartridges: HP 18A	Compatible to MSETCL Systems	Each	4450	18%	801	5251
61	Printer	Black LaserJet Toner Cartridges: HP 36A	Compatible to MSETCL Systems	Each	4800	18%	864	5664
62	Printer	Black LaserJet Toner Cartridges : HP 88A	Compatible to MSETCL Systems	Each	3900	18%	702	4602
63	Printer	Black LaserJet Toner Cartridges : HP 110A	Compatible to MSETCL Systems	Each	4900	18%	882	5782
64	Printer	Black LaserJet Toner Cartridges : AC 303 Cartridge for Canon L11121E Printer	Compatible to MSETCL Systems	Each	5116.8	18%	921.024	6037.824
65	Printer	Black LaserJet Toner Cartridges : Canon All in one MF3010	Compatible to MSETCL Systems	Each	3868.8	18%	696.384	4565.184
66	Printer	Color LaserJet Toner Cartridge : HP CP1025 with all colours	Compatible to MSETCL Systems	Each	4056	18%	730.08	4786.08
67	Printer	Toner Refill : HP CP1025 Color printer Original LaserJet Toner Cartridge with all	Compatible to MSETCL Systems	Each	450	18%	81	531
68	Printer	Power Supply Board : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.	Compatible to MSETCL Systems	Each	4600	18%	828	5428
69	Printer	Power Supply Board : HP Laserjet - M202n, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	5400	18%	972	6372

70	Printer	Logic Board : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.	Compatible to MSETCL Systems	Each	4100	18%	738	4838
71	Printer	Logic Board : HP Laserjet - M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	4500	18%	810	5310
72	Printer	Toner Drum : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	120	18%	21.6	141.6
73	Printer	PCR Rod : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	125	18%	22.5	147.5
74	Printer	Magnetic Rod : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	115	18%	20.7	135.7
75	Printer	Doctor blade : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	110	18%	19.8	129.8
76	Printer	Wiper Blade : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	110	18%	19.8	129.8

77	Printer	Teflon : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	249.6	18%	44.928	294.528
78	Printer	Paper Feed roller : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	175	18%	31.5	206.5
79	Printer	Heating Element : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	1020	18%	183.6	1203.6
80	Printer	Paper Pickup Roller : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	170	18%	30.6	200.6
81	Printer	Paper Output Tray : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	432	18%	77.76	509.76
82	Printer	Laser Scanner Unit : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each	1300	18%	234	1534

83	Printer	Gear Assembly: HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202, M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs & similar HP Printers & Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers.	Compatible to MSETCL Systems	Each	910	18%	163.8	1073.8
84	Printer	Power Supply Board : Canon imageCLASS MF3010 , Canon L11121E and similar	Compatible to MSETCL Systems	Each	2290	18%	412.2	2702.2
85	Printer	Logic Board : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	4500	18%	810	5310
86	Printer	Toner Drum : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	144	18%	25.92	169.92
87	Printer	PCR Rod : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	130	18%	23.4	153.4
88	Printer	Magnetic Rod : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	130	18%	23.4	153.4
89	Printer	Doctor blade : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	130	18%	23.4	153.4
90	Printer	Wiper Blade : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	130	18%	23.4	153.4
91	Printer	Teflon : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	175	18%	31.5	206.5
92	Printer	Paper Feed roller : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	175	18%	31.5	206.5
93	Printer	Heating Element : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	1040	18%	187.2	1227.2
94	Printer	Original Toner Cartridge : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	3800	18%	684	4484
95	Printer	Control Panel : Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each	970	18%	174.6	1144.6

96	Printer	80Gram LaserJet Toner Powder Bottle	High Density ,Premium Quality Black Toner Powder ,Strong Adhesion, Firmly Fusing compatible to HP/Cannon/Samsung and all similar category laserJet toners.	Each	115.2	18%	20.736	135.936
97	CMOS	CMOS Cell for Desktop & Laptop (Duracell)	3 Volts Lithium chemistry battery	Each	40	18%	7.2	47.2
98	Caddy	Caddy for Desktop & Laptop Harddisk	Compatible to MSETCL Systems	Each	120	18%	21.6	141.6
99	Cables	3 Pin Desktop Power Cord : 2 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	Each	180	18%	32.4	212.4
100	Cables	3 Pin Printer Power Cable : 2 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	Each	180	18%	32.4	212.4
101	Cables	CPU to Monitor VGA Cable : 3 Meter	Compatible to MSETCL Systems	Each	230	18%	41.4	271.4
102	Cables	DP Display Cable : 2 Meter	Compatible to MSETCL Systems	Each	200		0	200
103	Cables	Printer USB Data Cable : 2 Meter	Compatible to MSETCL Systems	Each	140	18%	25.2	165.2
104	Cables	HDMI Cable : 2 Meter (cadyce/bluerigger)	Finite Source & Destination Ports	Each	150	18%	27	177
105	Cables	HDMI Cable : 5 Meter (cadyce/bluerigger)	Finite Source & Destination Ports	Each	420	18%	75.6	495.6
106	Cables	HDMI Cable : 10 Meter (cadyce/bluerigger)	Finite Source & Destination Ports	Each	3000	18%	540	3540
107	Cables	HDMI Cable : 20 Meter (cadyce/bluerigger)	Finite Source & Destination Ports	Each	6150	18%	1107	7257
108	Cables	Multiple USB Connector/Hub 4 Port 3.0 (Artis/Circle)	Compatible to MSETCL Systems	Each	1020	18%	183.6	1203.6
109	Cables	6A Spike Guard with 5 Socket & 5 Meter Cable (Artis/Coblet)	Spike Guard with fuse protection/ 3 Pin/ Standard Quality like Anchor/GM	Each	800	18%	144	944
110	Storage Devices	32GB Pen Drive 3.2 Steel Body (HP/Acer)	Standard Size , Not compact or of made from memory card.	Each	420	18%	75.6	495.6
111	Storage Devices	64GB Pen Drive 3.2 Steel Body (HP/Acer)	Standard Size , Not compact or of made from memory card.	Each	710	18%	127.8	837.8
112	Storage Devices	128GB Pen Drive 3.2 Steel Body (HP/Acer)	Standard Size , Not compact or of made from memory card.	Each	830	18%	149.4	979.4
113	Storage Devices	HDD Casing 3.2 for M.2	Compatible to MSETCL Systems	Each	900	18%	162	1062
114	Storage Devices	HDD Casing 3.2 for SATA	Compatible to MSETCL Systems	Each	530	18%	95.4	625.4
115	Storage Devices	1TB External Portable Hard Disk USB 3.0 (Segate/Samsung)	Compatible to MSETCL Systems	Each	6310	18%	1135.8	7445.8
116	Networking	Cat-6e UTP Cable with laying (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	47	18%	8.46	55.46

117	Networking	Cat-6e UTP Cable with laying & PVC Casing & capping, PVC Pipe, Screws, drilling (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	87	18%	15.66	102.66
118	Networking	4 Core armoured Industrial Grade Fibre optic cable with laying (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	82	18%	14.76	96.76
119	Networking	6 Core armoured Industrial Grade Fibre optic cable with laying (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	90	18%	16.2	106.2
120	Networking	4 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing & capping, PVC Pipe, Screws, drilling (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	135	18%	24.3	159.3
121	Networking	6 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing & capping, PVC Pipe, Screws, drilling (D-Link/Commscope)	Compatible to MSETCL Systems	Meter	140	18%	25.2	165.2
122	Networking	2" Press Fit Royal PVC Casing & capping	Compatible to MSETCL Systems	Meter	75	18%	13.5	88.5
123	Networking	PVC Pipe	Compatible to MSETCL Systems	Meter	78	18%	14.04	92.04
124	Networking	Single Information Outlet (Ethernet) with faceplate and box (D-Link/Commscope)	Standard nominated. Providing & Fixing of tool less information outlet (ethernet) flush/surface type in position as per specification no WGNAS/IO.	Each	400	18%	72	472
125	Networking	Double Information Outlet (Ethernet) with faceplate and box (D-Link/Commscope)	Standard nominated. Providing & Fixing of tool less information outlet (ethernet) flush/surface type in position as per specification no WGNAS/IO.	Each	550	18%	99	649
126	Networking	RJ45 Cat6 1 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)	Compatible to MSETCL Systems	Each	175	18%	31.5	206.5
127	Networking	RJ45 Cat6 2 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)	Compatible to MSETCL Systems	Each	200	18%	36	236

128	Networking	RJ45 Cat6 3 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)	Compatible to MSETCL Systems	Each	248	18%	44.64	292.64
129	Networking	RJ45 Cat6 5 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)	Compatible to MSETCL Systems	Each	395	18%	71.1	466.1
130	Networking	LC Type SC-LC Fiber Patch Cord 3 Mtr	As per MSETCL Existing Network ,Providing & Installation of 3 Mtr fiber patch cord with 1 GBPS support. Multi mode,Lucent Connector Type.	Each	1540	18%	277.2	1817.2
131	Networking	RJ45 LAN Cable connector (D-Link/Commscope)	Compatible to MSETCL Systems	Each	14	18%	2.52	16.52
132	Networking	Cable Marker (Coated)	Numbers and Letters	Each	60	18%	10.8	70.8
133	Networking	D-Link DGS-1008A 10/100/1000 Mbps Gigabit 8 ports Network Unmanaged Switch	Compatible to MSETCL Systems	Each	2700	18%	486	3186
134	Networking	D-Link DGS-1024C 24-Port Gigabit Network Unmanaged Switch	Compatible to MSETCL Systems	Each	8500	18%	1530	10030
135	Networking	SFP Module 1.2GBPS(MediaConverter) / GBIC Pair (Syrotech/D-Link)	1.2GBPS transrecivers, Standards and Protocols IEEE 802.3z, CSMA/CD, TCP/IP,Fiber Type 9/125 Lm Single-mode,Port Type LC/UPC.	Each	4000	18%	720	4720
136	Networking	Supply of 28 Port SFP Managed Layer 3 Ethernet Switch (10/100/1000 Gigabit, 4 SFP, Layer 3, Console, Rackmountable, Buffer Size: Min 1.5MB, Compatible With existing System, Switches & Firewall rules, Link Aggregation (LAG), VLAN interface,loopback interface)	Ethernet Managed Ethernet Switch of 24 ports with 2SFP+2Combo port & webview/CLI on provided rack or as directed as per specification no WG-NWC/GBS	Each	37200	18%	6696	43896
137	Networking	19" 6U WALL MOUNT RACK WT H/W PACKET	Wall mounted, toughened glass door, fan openings,Cable entry from top & bottom)	Each	5800	18%	1044	6844
138	Networking	6 PORT FO PATCH PANEL LOADED LIU	6 Port Patch Panel full loaded	Each	5750	18%	1035	6785

139	Networking	24 PORT FO PATCH PANEL LOADED FOR LIU	RJ45 Jack, RJ45 Jack Contact Material Phosphor bronze nickel plated,ABS Jack bracket set, Support Bar : SPCC, Minimum 1.5mm thickness colour painted,Contact Brackets : PBT + Glass fiber	Each	2500	18%	450	2950
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Sd/-
Chief Engineer
EHV PC O&M Zone Pune



Service Charges (IT AMC)									
Schedule-'B'									
Sr.No.	Description	Unit	Qty	Exclusive Unit Rate (Rate per Month)	GST(%)	GST Amount	Total Amount per Month including GST	Annual Amount including GST	Remark
A	B	C	D	E	F	G=E*F%	H = E + G	I=D*H	J
1	Annual Service charges for support and maintenance of IT infrastructure at Offices under Administrative Building, Rasta Peth,MSETCL,Pune with online support as per Scope of Work.	Per Month	12	21120	18%	3801.6	24921.6	299059.2	This is continuous service for contract period.
2	Splicing & Termination of Fiber Optic Cable (Both ends)	Each	1	1750	18%	315	2065	NA	As and when required service

Sd/-
Chief Engineer
EHV PC O&M Zone Pune



Schedule-'C' - Penalty Clauses (IT AMC)				
Sr.No.	Description	Unit	Penalty Calculation	Remarks
A	B	C	D	E
1	Absence of 1(One) Support Staff	Per Day	Flat Rs.1000/- (Rs. One Thousand Only/-)	When Support staff is absent, MSETCL will deduct mentioned charges per day from monthly bills or from SD of bidder, whichever is applicable.
2	Delay in 'Spares Installation' Or 'Support Staff'	Per day	Flat Rs.200/- (Rs. Two Hundred Only/-)	Bidder will install Spare/s within one day after reporting. If he fails to install Spares within one day then MSETCL will install same spare/s by any third party agency & full cost of this work including penalty will be deducted from monthly bills or from SD of bidder ,whichever is applicable. Bidder is expected to keep sufficient inventory at location. Also,same Penalty applies to Support Staff is Not present for Support In-Time and delay in Service in mentioned time. Case to case basis MSETCL may allow more time for spares & services.
3	Unavailability of Tools on site	Per day	Flat Rs.100/- (Rs. One Hundred Only/-)	Bidder is expected to keep all required tools on the site. If tools are not present on the site, MSETCL will carry same work through any third party and full cost of this work including penalty will be deducted from monthly bills of bidder or from SD of bidder ,whichever is applicable. This applies to any Unavailability of software setup also.

Sd/-
Chief Engineer
EHV PC O&M Zone, Pune