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

| From
Office of the Chief Engineer
EHV Project Cum O&M Zone, Pune
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No. CE/EHV PC O&M Zone/P/IT/ 971   **Date: - 14.06.2024**

TO WHOM SO EVER IT MAY CONCERN

Subject: Calling Budgetary offer 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- 411011 with online support services to MSETCL'*

The Budgetary offer are hereby invited on e-mail (on itadmin6000@mahatransco.in) for the above work as per Schedule-A/B & Annexure-A ('Scope of Work') enclosed herewith. Concerns are requested to quote your best reasonable rates for above work as per Annexure-A ('Scope of Work').

The Terms and conditions are as below:
1) The rate quoted should be valid for minimum 90 days.
2) The rate should be quoted on firm 'quotation'.
3) The rates should be exclusive of all taxes. Taxes should be quoted extra.
4) You are requested to submit your best reasonable budgetary offer as per Schedule-A & B, for above works on E-mail ID: itadmin6000@mahatransco.in up to 11:00 Hrs on dtd. 25.06.2024
5) 'Scope of work' for this work is mentioned in 'Annexure-A'. This budgetary offer is invited only for estimation purpose only and same will not be considered for any bidding OR other activity & No 'work order' will be given against this 'Budgetory Offer'.

--SD--
(Mr. Anil Kolap)
Chief Engineer
EHV PC O&M Zone, Pune

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.

1) Period of AMC contract shall be one year from the date of commencement of the contract. However, in case of unsatisfactory 'services or spares', MSETCL reserves right to terminate contract at any time during period of contract by giving notice of seven (7) days. Bidder shall provide his official email Id for this contract. MSETCL shall consider this Email Id 'official' for any communication with bidder.

2) Bidder shall do troubleshooting, breakdown, preventive, regular maintenance and support of all IT Systems like but not limited to Computers, Laptops, Printers, WIFI, LAN, Projector, CCTV, Power Supply of IT Systems. Bidder may visit the site to have profound knowledge of existing MSETCL IT Systems. Approximately 170 Computers-Laptops, 130 printers, 40 LAN and allied devices of different but not limited to Lenovo, Dell, HP, Epson, Cisco, D-link, TP-Link, assembled etc. various brands. Count may vary time to time.

3) Bidder shall do printer & toner refilling, and troubleshooting as per requirement raised by MSETCL. Splicing & Termination of Fiber Optic Cable , whenever required & fiber testing will be done by bidder.

4) Bidder will do cleaning of all IT Systems (with blower &/or cotton) like but not limited to computers, printers, LAN devices, Video conference device, UPS, Projectors. Frequency of the same will be ''twice in a month' and as per need of MSETCL, to remove dust, dirt, & lubrication of working assembly and cleaning of any drive like C.D./D.V.D. Drive head , Printer with Head etc. with bidder's tools. Bidder will provide any lubrication for Computers, Printers, Projector, CCTV etc.

5) **Spares:**
   a) Bidder 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:** Bidder will provide & fix all required spares within same working day after reporting to them (via any Email/Phone/SMS/Any Messaging App/ITMS). For some specific spares, MSETCL may give extended timeline at sole discretion of MSETCL. Bidder 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, Bidder have to register all spares (before installation), on manufacturer/OEM's website with serial/register number (or any system like hologram/barcode etc.) of spare. Unless authenticity of spare is proved, MSETCL will not allow spares to be installed.
   d) All spares are of 'providing & fixing' manner except 'Splicing & Termination of Fiber Optic Cable'. Means, e.g. if UTP Cat-6 cable is to 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. For any doubts regarding execution, bidder may email to IT Section, EHV PC O&M Zone,Pune. (itadmin6000@mahatransco.in).
   e) Bidder 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 bidder, it may lead to cancellation of the contract and any other legal action may be taken against the bidder.

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 bidder only) or as actual warranty (if warranty is more than one year, provided by manufacture/OEM). Within warranty period, Bidder 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 bidder.

6) **Local Area Network (LAN):**
Bidder 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 bidder whenever required by MSETCL.
d) Any configuration related to Firewall, Switches, Modems, and Routers and allied all LAN equipment.
e) IP Schema Management.

7) **MSETCL Helpdesk Management system & ITMS: -**
Bidder 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.

8) **Tools:** Bidder 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.

9) **Software:** Bidder 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 bidder other software set up required on 'time to time' and bidder shall provide setup within one day. Bidder shall also install MSETCL's Antivirus software, SAP GUI, VPN, IP Messenger etc. Software Installation timeline shall be two (2) hours after reporting. Bidder will install all MSETCL required softwares.

10) **Internet monitoring:** Bidder 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.

11) 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.

12) Standard operating procedure (SOP) will be given by IT section regarding all work.

13) **Support staff:**
a) Bidder 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) Bidder 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, Bidder 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 bidder 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 bidder.

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 bidder. 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. Bidder 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 bidder 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'.

14) **Temporary Standby Spares:**
   a) In case of troubleshooting/failure, bidder will provide standby spares of same quality & capacity to the end user. For example, in case of Hard disk format or failure, bidder 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.

15) **General Terms & Conditions:**
   a) Bidder 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). Bidder will provide register to MSETCL. Any such a registers during contract period will be kept safe by bidder & Bidder will hand over these registers to MSETCL at the end of contract. Any sort of ignorance towards complaints will be viewed seriously.

c) Bidder 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 bidder email reply date only as per scope of work.

f) MSETCL may utilise services of this AMC in Pune & PCMC region time to time.

16) 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 bidder.

17) Comprehensive Items: CCTV System, Switches, Firewall, WIFI, VC Devices with Configuration are comprehensive items. Means, Bidder should take care proactive actions to safeguard them. Bidder will keep 30 Days CCTV Back up Secured on MSETCL Back up. VC System/s will be comprehensive & will be custody of Bidder.

18) 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.

--SD--
AP (IT)
EHV PC O&M Zone, Pune

	Schedule-'A' (Please refer 'Scope of Work')						
	Spare List of Desktops,Laptops,Printers,Network devices etc. **(All Items should be 'brand new' with Providing , Fixing, Installation,Configuration,Erection,Commissioning,Maintainance)**						
Sr.No.	**Description**	**Item Speification**	**Unit**	**Exclusive Rate**	**GST(%)**	**GST Amount**	**Total Amount**
A	**B**	**C**	**D**	**E**	**F**	**G = (E*F)/100**	**H =E+G**
-	**Spares list for Desktop PC**	**Please refer 'Scope of Work'**	-	-	-	-	-
1	**SMPS:** 450 Watts SMPS (Artis/Circle)	Over Voltage,Under Voltage,Over Load Protection,Burnout Protection,Cooling Fan	Each				
2	**SMPS:** 500 Watts SMPS (Artis/Circle)	Over Voltage,Under Voltage,Over Load Protection,Burnout Protection,Cooling Fan	Each				
3	**2GB DDR2 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
4	**2GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
5	**4GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
6	**8GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
7	**4GB DDR4 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
8	**8GB DDR4 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
9	**128GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
10	**256GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
11	**512GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
12	**1TB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
13	**128GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
14	**256GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
15	**512GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
16	**1TB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
17	**128GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
18	**256GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
19	**512GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
20	**1TB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
21	Caddy for Harddisk	Compatible to MSETCL Systems	Each				
22	**1TB Internal SATA Hard Drive** (Seagate/Toshiba/Samsung)	Minimum 7200 RPM	Each				
23	**External USB DVD minimum 8X Rewriter** (HP/Dell/Lenovo)	1 Year Warranty or as actual if greater that 1 Year.	Each				
24	Mouse Pad	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control with Spill-Resistant Surface, Good quality smooth fabric	Each				
25	Mouse Pad with wrist rest	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control wrist rest,Good quality smooth fabric	Each				
26	CMOS Cell	1 Year Warranty or as actual if greater that 1 Year.	Each				
27	Gigabit ethernet Network Cards/Adapters (D-link/Tp-Link)	1 Year Warranty or as actual if greater that 1 Year.	Each				
28	Sound Cards/Adapters	1 Year Warranty or as actual if greater that 1 Year.	Each				
29	**Wired USB Multimedia KeyBoard Mouse Combo** (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play	Each				
30	**Wireless Multimedia KeyBoard Mouse Combo with USB adapter** (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each				
31	**Wired USB Multimedia KeyBoard** (HP/Dell/Lenovo)	Standard Size , not compact, USB,Plug & Play	Each				
32	**Wireless Multimedia KeyBoard with USB adapter** (HP/Dell/Lenovo)	Standard Size , not compact, Plug & Play ,USB	Each				
33	**Wired USB Mouse** (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each				
34	**Wireless Mouse with USB adapter** (HP/Dell/Lenovo)	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	Each				
35	**600VA UPS** (Artis/Luminous)	600VA UPS is required.	Each				
36	**UPS Battery**	600VA UPS Battery					
37	**USB 3.0 to RJ45 Gigabit Ethernet Network Adapter :** TP-Link/Storite	1 Year Warranty or as actual if greater that 1 Year.	Each				
B	**Softwares**						
1	Windows 10 Professional Operating System 32/64 Bit Lifetime License with OEM License Key	Lifetime License registered to MSETCL with Key	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
2	Microsoft Office Home & Business 2021 Lifetime License with OEM License Key	Lifetime License registered to MSETCL with Key	Each				
3	Microsoft Office Home & Student 2021 Lifetime License with OEM License Key	Lifetime License registered to MSETCL with Key	Each				
C	**Spares list for Laptop**						
1	**2GB DDR2 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
2	**2GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
3	**4GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
4	**8GB DDR3 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
5	**4GB DDR4 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
6	**8GB DDR4 RAM** (Kingston/ Hynix/Simmtronics/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
7	**128GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
8	**256GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
9	**512GB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
10	**1TB SATA SSD Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
11	**128GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
12	**256GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
13	**512GB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
14	**1TB NVMe Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
15	**128GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
16	**256GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
17	**512GB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
18	**1TB M.2 Hard Disk** (EVM/Kingston/Samsung/Crucial)	Compatible to MSETCL Systems	Each				
19	Caddy for Harddisk	Compatible to MSETCL Systems	Each				
20	**1TB Internal SATA Hard Drive :** Seagate/Samsung	7200RPM , Minimum 64MB Cache	Each				
21	**6 Cell Laptop Battery** (HP/DELL/Lenovo)	Compatible to MSETCL Systems	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
22	**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				
23	Network Cards/Adapters	1 Year Warranty or as actual if greater that 1 Year.	Each				
24	Sound Cards/Adapters	1 Year Warranty or as actual if greater that 1 Year.	Each				
D	**Spares list for Printer**						
1	**Black LaserJet Toner Cartridges:** HP 12A	Compatible to MSETCL Systems	Each				
2	**Black LaserJet Toner Cartridges:** HP 18A	Compatible to MSETCL Systems	Each				
3	**Black LaserJet Toner Cartridges:** HP 36A	Compatible to MSETCL Systems	Each				
4	**Black LaserJet Toner Cartridges :** HP 88A	Compatible to MSETCL Systems	Each				
5	**Black LaserJet Toner Cartridges** : HP 110A	Compatible to MSETCL Systems	Each				
6	**Black LaserJet Toner Cartridges :** AC 303 Cartridge for Canon L11121E Printer	Compatible to MSETCL Systems	Each				
7	**Black LaserJet Toner Cartridges :** Canon All in one MF3010	Compatible to MSETCL Systems	Each				
8	**Color LaserJet Toner Cartridge :** HP CP1025 with all colours	Compatible to MSETCL Systems	Each				
9	**Toner Refill :** HP CP1025 Color printer Original LaserJet Toner Cartridge with all colours	Compatible to MSETCL Systems	Each				
10	**Power Supply Board :** HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.	Compatible to MSETCL Systems	Each				
11	**Power Supply Board :** HP Laserjet - M202n, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each				
12	**Logic Board :** HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.	Compatible to MSETCL Systems	Each				
13	**Logic Board :** HP Laserjet - M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Compatible to MSETCL Systems	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
14	**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				
15	**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				
16	**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				
17	**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				
18	**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				
19	**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				
20	**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				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
21	**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				
22	**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				
23	**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				
24	**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				
25	**Power Supply Board :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
26	**Logic Board :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
27	**Toner Drum :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
28	**PCR Rod :**Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
29	**Magnetic Rod :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
30	**Doctor blade :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
31	**Wiper Blade :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
32	**Teflon :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
33	**Paper Feed roller :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
34	**Heating Element :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
35	**Original Toner Cartridge :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
36	**Control Panel :** Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Compatible to MSETCL Systems	Each				
37	**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				
38	**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				
E	**Cables**						
1	**3 Pin Desktop Power Cord** : 2 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Dell/Lenovo machines.	Each				
2	**3 Pin Printer Power Cable :** 2 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Canon and similar printers.	Each				
3	**CPU to Monitor VGA Cable :** 3 Meter	1 Year Warranty or as actual if greater that 1 Year.	Each				
4	**Printer USB Data Cable :** 2 Meter	1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Canon and similar printers.	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
5	**HDMI Cable :** 2 Meter	1 Year Warranty or as actual if greater that 1 Year.	Each				
6	**HDMI Cable :** 5 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	Each				
7	**HDMI Cable :** 10 Meter	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	Each				
8	Multiple USB Connector/Hub 4 Port 3.0 (Transcend/Circle)	1 Year Warranty or as actual if greater that 1 Year.	Each				
9	6A Spike Guard with 5 Socket & 5 Meter Cable	Spike Guard with fuse protection/ 3 Pin/ Standard Quality like Anchor/GM	Each				
G	**Storage Devices**						
1	**16GB Pen Drive 3.0 Steel Body** (HP/Kingston/Transcend)	Standard Size , Not too compact or of made from memory card. Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year.	Each				
2	**32GB Pen Drive 3.0 Steel Body** (HP/Kingston/Transcend)	Standard Size , Not too compact or of made from memory card. Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year.	Each				
3	**4GB Blank DVD** (Sony/Samsung/HP)	Compatible to MSETCL Systems	Each				
4	**1TB External Portable Hard Disk USB 3.0** (Segate/Samsung/Transcend)	1 Year Warranty or as actual if greater that 1 Year.	Each				
H	**Networking & Devices**						
1	**Cat-6e UTP Cable with laying** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year.	Meter				
2	**Cat-6e UTP Cable with laying & PVC Casing & capping, PVC Pipe, Screws, drilling** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year.	Meter				
3	**2 Core armoured Industrial Grade Fibre optic cable with laying** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				
4	**4 Core armoured Industrial Grade Fibre optic cable with laying** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				
5	**6 Core armoured Industrial Grade Fibre optic cable with laying** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				
6	**2 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing & capping, PVC Pipe, Screws, drilling** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
7	**4 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing & capping, PVC Pipe, Screws, drilling** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				
8	**6 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing & capping, PVC Pipe, Screws, drilling** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Meter				
9	2" Press Fit Royal PVC Casing & capping	1 Year Warranty or as actual if greater that 1 Year.	Meter				
10	PVC Pipe	1 Year Warranty or as actual if greater that 1 Year.	Meter				
11	**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				
12	**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				
13	**RJ45 Cat6 1 Meter Patch Cord Ethernet LAN Cable** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
14	**RJ45 Cat6 2 Meter Patch Cord Ethernet LAN Cable** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
15	**RJ45 Cat6 3 Meter Patch Cord Ethernet LAN Cable** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
16	**RJ45 Cat6 5 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)**	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
17	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				
18	**RJ45 LAN Cable connector** (D-Link/Commscope)	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
19	Cable Marker (Coated)	Numbers and Letters	Each				

Sr.No.	Description	Item Speification	Unit	Exclusive Rate	GST(%)	GST Amount	Total Amount
A	B	C	D	E	F	G = (E*F)/100	H =E+G
20	D-Link DGS-1008A 10/100/1000 Mbps Gigabit 8 ports Network Unmanaged Switch	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
21	D-Link DGS-1024C 24-Port Gigabit Network Unmanaged Switch	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	Each				
22	**SFP Module 1.2GBPS(MediaConverter) / GBIC Pair** (Syrotech/D-Link)	1.2GBPS transreceivers, Standards and Protocols IEEE 802.3z, CSMA/CD, TCP/IP,Fiber Type 9/125 Lm Single-mode,Port Type LC/UPC.	Each				
23	**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				
24	19" 6U WALL MOUNT RACK WT H/W PACKET	Wall mounted, toughened glass door, fan openings,Cable entry from top & bottom)	Each				
25	6 PORT FO PATCH PANEL LOADED LIU	6 Port Patch Panel full loaded	Each				
26	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				
Total							

--SD--
(Mr. Anil Kolap)
Chief Engineer
EHV PC O&M Zone, Pune

Service Charges (Please refer 'Scope of Work')								
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
A	B	C	D	E	F	G=E*F%	H = E + G	I=D*H
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					
2	Splicing & Termination of Fiber Optic Cable (Both ends)	Each	1					NA

..SD..
(Mr. Anil Kolap)
Chief Engineer
EHV PC O&M Zone, Pune