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**Ref No: EE/EHV/O&M/DN/BMT/T/ 0345**

**Date: 05.05.2025**

**E-Enquiry**

**Sub:** Annual Maintenance Contract (AMC) for IT Asset hardware and system software  
Including supply, installation & maintenance at various administrative & field offices of  
MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati.

**Date of publication Enquiry: - From Dtd. 06.05.2025 at 10:00 Hrs to Dtd. 13.05.2025 up to 16:00 Hrs.**

**Due date for submission of Offer: - Dtd. 13.05.2025 up to 16:00 Hrs only.**

**Technical Opening Date: - E-Enquiry will be opened on same day or as per convenience of the office.**

Dear Sir,

Sealed & superscripted quotations are invited for Work of Annual Maintenance Contract (AMC) for IT Asset hardware and system software including supply, installation & maintenance at various administrative & field offices of MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati as per enclosed Schedule "A+B". You are requested to quote your reasonable rate for the above supply & services. The terms & conditions are as follows:-

**TERMS & CONDITIONS**

1. Offer should be submitted to this office on or before **Dtd. 13.05.2025 up to 16:00 Hrs** only.
2. The rate quoted should be valid at least three month from the date of opening of E-Enquiry.
3. The quotation not confirming to specifications as desired are likely to be rejected.
4. Right to accept/ reject any or all Quotations or part there of it reserved by the undersigned.
5. The agency should be registered under the Bombay Shops & Establishment Act, 1948.
6. The interpretation of undersigned on any matter of decision given by him on any disputed point will be final and binding on Contractor.

7. The documents of an offer shall be written legible and free from erasures, over writing or conversion of figures, corrections where unavoidable shall be made by crossing out, rewriting, initialling and dating.
8. If the bidder has any doubt the meaning of any portion of the enquiry conditions / specifications, he should get it clarified from the office of the undersigned before submission of the offer.
9. Along with quotations following documents should be attached,
  - A. Valid Qualification in Diploma in Hardware & Software Networking / Degree in B.E. Computer / IT / Similar.
  - B. Valid Shop Act Licence or NOC from Local Govt. Body.
  - C. Valid registration under GST.
  - D. Valid Pan Card
10. The Bidder must have experience for carrying out similar work i.e. Work of maintenance IT Asset hardware and system software including supply, installation work.
11. Rates: Rates considered in schedule 'A+B' inclusive of all taxes.
12. For the offers received below the estimated cost of Enquiry, the amount of Performance Bank Guarantee shall be applicable as under.

Table for Sr.no.6.8					
Sr.no.	Offer Recevied	SD Works including Supply	ASD for Offer upto 10% below	ASD for Offer between 10% to 15% below	ASD for Offer below 15% or more
1	At Par or Above	10%	--		
2	Up to 10% Below	10%	01%		
3	between 10% to 15% below	10%	01%	01% for every 01% or part thereof more than 10%	
4	below 15% or more	10%	01%	05%	02% for every 01% or part thereof more than 15%

13. All general /technical /commercial terms & conditions of the contract of MSETCL are applicable.

Enclose: - Schedule 'A+B'.

Yours faithfully,

**SD/-**  
**(Santosh G. Dhonde)**  
**Executive Engineer**  
**EHV O&M Division, Baramati**

**Copy to:-**1) Web Master MSETCL  
 2) Notice Board  
 MF

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,  
EHV O&M Division, Baramati**

**Annual Maintenance Contract (AMC) for IT Asset hardware and system software  
including supply, installation & maintenance at various administrative & field offices of  
MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati**

**Annexure-'A' : Estimate**

Sr. No	Description of Item	Unit	Item Specification	Per Unit Rate (INR)	GST 18 (%)	Amount (INR)
	<b>SPARES</b>			<b>G</b>	<b>H</b>	<b>I</b>
				<b>F</b>	<b>18% of G</b>	<b>G+H</b>
<b>A</b>	<b>Spares list for Desktop PC</b>		<b>Please refer 'Scope of Work'</b>			
1	<b>SMPS: 450 Watts SMPS (Artis/Circle)</b>	Each	Over Voltage,Under Voltage,Over Load Protection, Burnout Protection,Cooling Fan	800	144.00	944.00
2	<b>SMPS: 500 Watts SMPS (Artis/Circle)</b>	Each	Over Voltage,Under Voltage,Over Load Protection, Burnout Protection,Cooling Fan	1885	339.30	2224.30
3	<b>2GB DDR2 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	500	90.00	590.00
4	<b>2GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	500	90.00	590.00
5	<b>4GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	790	142.20	932.20
6	<b>8GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1360	244.80	1604.80
7	<b>4GB DDR4 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1180	212.40	1392.40

8	<b>8GB DDR4 RAM</b> (Kingston/ Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1580	284.40	1864.40
9	<b>128GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2200	396.00	2596.00
10	<b>256GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2650	477.00	3127.00
11	<b>512GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	3450	621.00	4071.00
12	<b>1TB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	5450	981.00	6431.00
13	<b>128GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2150	387.00	2537.00
14	<b>256GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2600	468.00	3068.00
15	<b>512GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	3400	612.00	4012.00
16	<b>1TB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	5750	1035.00	6785.00
17	<b>128GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2100	378.00	2478.00
18	<b>256GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	2550	459.00	3009.00
19	<b>512GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	3300	594.00	3894.00
20	<b>1TB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Cr ucial)	Each	Compatible to MSETCL Systems	5685	1023.30	6708.30
21	Caddy for Harddisk	Each	Compatible to MSETCL Systems	145	26.10	171.10
22	<b>1TB Internal SATA Hard Drive</b> (Seagate/Toshiba/Samsung)	Each	Minimum 7200 RPM	4735	852.30	5587.30

23	<b>External USB DVD minimum 8X Rewriter</b> (HP/Dell/Lenovo)	Each	1 Year Warranty or as actual if greater that 1 Year.	2185	393.30	2578.30
24	Mouse Pad	Each	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control with Spill-Resistant Surface, Good quality smooth fabric	50	9.00	59.00
25	Mouse Pad with wrist rest	Each	Minimum 20cm * 25cm & 2mm thick, Anti-Slip Rubber Base & Smooth Mouse Control wrist rest,Good quality smooth fabric	72	12.96	84.96
26	CMOS Cell	Each	1 Year Warranty or as actual if greater that 1 Year.	33	5.94	38.94
27	Gigabit ethernet Network Cards/Adapters (D-link/Tp-Link)	Each	1 Year Warranty or as actual if greater that 1 Year.	1490	268.20	1758.20
28	Sound Cards/Adapters	Each	1 Year Warranty or as actual if greater that 1 Year.	245	44.10	289.10
29	<b>Wired USB Multimedia KeyBoard Mouse Combo</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact ,USB , Plug & Play	730	131.40	861.40
30	<b>Wireless Multimedia KeyBoard Mouse Combo with USB adapter</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	1395	251.10	1646.10
31	<b>Wired USB Multimedia KeyBoard</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact, USB,Plug & Play	645	116.10	761.10
32	<b>Wireless Multimedia KeyBoard with USB adapter</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact, Plug & Play ,USB	946	170.28	1116.28
33	<b>Wired USB Mouse</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	325	58.50	383.50
34	<b>Wireless Mouse with USB adapter</b> (HP/Dell/Lenovo)	Each	Standard Size , not compact ,USB , Plug & Play , Mouse Scroll,Led Tracking	785	141.30	926.30
35	<b>600VA UPS</b> (Artis/Luminous)	Each	600VA UPS is required.	2445	440.10	2885.10
36	<b>UPS Battery</b>	Each	600VA UPS Battery	1200	216.00	1416.00
37	<b>USB 3.0 to RJ45 Gigabit Ethernet Network Adapter</b> : TP-Link/Storite	Each	1 Year Warranty or as actual if greater that 1 Year.	1475	265.50	1740.50

<b>B</b>	<b>Softwares</b>					
1	Windows 10 Professional Operating System 32/64 Bit Lifetime License with OEM License Key	Each	Lifetime License registered to MSETCL with Key	11200	2016.00	13216.00
2	Microsoft Office Home & Business 2021 Lifetime License with OEM License Key	Each	Lifetime License registered to MSETCL with Key	18900	3402.00	22302.00
3	Microsoft Office Home & Student 2021 Lifetime License with OEM License Key	Each	Lifetime License registered to MSETCL with Key	11000	1980.00	12980.00
<b>C</b>	<b>Spares list for Laptop</b>					
1	<b>2GB DDR2 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	500	90.00	590.00
2	<b>2GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	500	90.00	590.00
3	<b>4GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	790	142.20	932.20
4	<b>8GB DDR3 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1390	250.20	1640.20
5	<b>4GB DDR4 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1150	207.00	1357.00
6	<b>8GB DDR4 RAM</b> (Kingston/Hynix/Simmtronics/Samsun g/Crucial)	Each	Compatible to MSETCL Systems	1585	285.30	1870.30
7	<b>128GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	1950	351.00	2301.00
8	<b>256GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	2650	477.00	3127.00

9	<b>512GB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	3450	621.00	4071.00
10	<b>1TB SATA SSD Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	5440	979.20	6419.20
11	<b>128GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	1850	333.00	2183.00
12	<b>256GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	2490	448.20	2938.20
13	<b>512GB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	3150	567.00	3717.00
14	<b>1TB NVMe Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	5646	1016.28	6662.28
15	<b>128GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	1800	324.00	2124.00
16	<b>256GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	2300	414.00	2714.00
17	<b>512GB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	2833	509.94	3342.94
18	<b>1TB M.2 Hard Disk</b> (EVM/Kingston/Samsung/Crucial)	Each	Compatible to MSETCL Systems	5630	1013.40	6643.40
19	Caddy for Harddisk	Each	Compatible to MSETCL Systems	145	26.10	171.10
20	<b>1TB Internal SATA Hard Drive</b> : Seagate/Samsung	Each	7200RPM , Minimum 64MB Cache	4740	853.20	5593.20
21	<b>6 Cell Laptop Battery</b> (HP/DELL/Lenovo)	Each	Compatible to MSETCL Systems	1870	336.60	2206.60
22	<b>Laptop Battery Charger/Adapter</b> : HP/DELL/Lenovo	Each	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.	1865	335.70	2200.70
23	Network Cards/Adapters	Each	1 Year Warranty or as actual if greater than 1 Year.	580	104.40	684.40
24	Sound Cards/Adapters	Each	1 Year Warranty or as actual if greater than 1 Year.	245	44.10	289.10



<b>D</b>	<b>Spares list for Printer</b>					
1	<b>Black LaserJet Toner Cartridges: HP 12A</b>	Each	Compatible to MSETCL Systems	5260	946.80	6206.80
2	<b>Black LaserJet Toner Cartridges: HP 18A</b>	Each	Compatible to MSETCL Systems	4690	844.20	5534.20
3	<b>Black LaserJet Toner Cartridges: HP 36A</b>	Each	Compatible to MSETCL Systems	5090	916.20	6006.20
4	<b>Black LaserJet Toner Cartridges : HP 88A</b>	Each	Compatible to MSETCL Systems	4125	742.50	4867.50
5	<b>Black LaserJet Toner Cartridges : HP 110A</b>	Each	Compatible to MSETCL Systems	5130	923.40	6053.40
6	<b>Black LaserJet Toner Cartridges : AC 303 Cartridge for Canon L11121E Printer</b>	Each	Compatible to MSETCL Systems	5380	968.40	6348.40
7	<b>Black LaserJet Toner Cartridges : Canon All in one MF3010</b>	Each	Compatible to MSETCL Systems	4020	723.60	4743.60
8	<b>Color LaserJet Toner Cartridge : HP CP1025 with all colours</b>	Each	Compatible to MSETCL Systems	4245	764.10	5009.10
9	<b>Toner Refill : HP CP1025 Color printer Original LaserJet Toner Cartridge with all colours</b>	Each	Compatible to MSETCL Systems	545	98.10	643.10
10	<b>Power Supply Board : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.</b>	Each	Compatible to MSETCL Systems	5060	910.80	5970.80
11	<b>Power Supply Board : HP Laserjet - M202n, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.</b>	Each	Compatible to MSETCL Systems	5890	1060.20	6950.20
12	<b>Logic Board : HP Laserjet - P1006,P1007, P1008, P1106, P1108, 1022, 1020+, 1005, P1505, M202 and similar HP Printers.</b>	Each	Compatible to MSETCL Systems	4585	825.30	5410.30



13	<b>Logic Board :</b> HP Laserjet - M202n, M202dw, M126nw, M128fn, M128fw, M226dw, M226dn, M1136mfp, M1213nf, M1216nfh, M1218nfs and similar HP Printers.	Each	Compatible to MSETCL Systems	4990	898.20	5888.20
14	<b>Toner Drum :</b> 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.	Each	Compatible to MSETCL Systems	148	26.64	174.64
15	<b>PCR Rod :</b> 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.	Each	Compatible to MSETCL Systems	153	27.54	180.54
16	<b>Magnetic Rod :</b> 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.	Each	Compatible to MSETCL Systems	124	22.32	146.32
17	<b>Doctor blade :</b> 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.	Each	Compatible to MSETCL Systems	133	23.94	156.94

18	<b>Wiper Blade :</b> 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.	Each	Compatible to MSETCL Systems	148	26.64	174.64
19	<b>Teflon :</b> 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.	Each	Compatible to MSETCL Systems	273	49.14	322.14
20	<b>Paper Feed roller :</b> 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.	Each	Compatible to MSETCL Systems	192	34.56	226.56
21	<b>Heating Element :</b> 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.	Each	Compatible to MSETCL Systems	1140	205.20	1345.20
22	<b>Paper Pickup Roller :</b> 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.	Each	Compatible to MSETCL Systems	190	34.20	224.20

23	<b>Paper Output Tray : HP</b> 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.	Each	Compatible to MSETCL Systems	510	91.80	601.80
24	<b>Laser Scanner Unit : HP</b> 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.	Each	Compatible to MSETCL Systems	1360	244.80	1604.80
25	<b>Power Supply Board :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	2440	439.20	2879.20
26	<b>Logic Board : Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	4790	862.20	5652.20
27	<b>Toner Drum : Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	180	32.40	212.40
28	<b>PCR Rod :Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	138	24.84	162.84
29	<b>Magnetic Rod : Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	138	24.84	162.84
30	<b>Doctor blade : Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	138	24.84	162.84
31	<b>Wiper Blade : Canon</b> imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	138	24.84	162.84

32	<b>Teflon :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	205	36.90	241.90
33	<b>Paper Feed roller :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	245	44.10	289.10
34	<b>Heating Element :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	1140	205.20	1345.20
35	<b>Original Toner Cartridge :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	4090	736.20	4826.20
36	<b>Control Panel :</b> Canon imageCLASS MF3010 , Canon L11121E and similar Canon Printers	Each	Compatible to MSETCL Systems	1030	185.40	1215.40
37	<b>80Gram LaserJet Toner Powder Bottle</b>	Each	High Density ,Premium Quality Black Toner Powder ,Strong Adhesion, Firmly Fusing compatible to HP/Cannon/Samsung and all similar category laserJet toners.	130	23.40	153.40
38	<b>Gear Assembly:</b> 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.	Each	Compatible to MSETCL Systems	970	174.60	1144.60
<b>E</b>	<b>Cables</b>					
1	<b>3 Pin Desktop Power Cord : 2 Meter</b>	Each	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Dell/Lenovo machines.	185	33.30	218.30

2	<b>3 Pin Printer Power Cable : 2 Meter</b>	Each	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Canon and similar printers.	185	33.30	218.30
3	<b>CPU to Monitor VGA Cable : 3 Meter</b>	Each	1 Year Warranty or as actual if greater that 1 Year.	295	53.10	348.10
4	<b>Printer USB Data Cable : 2 Meter</b>	Each	1 Year Warranty or as actual if greater that 1 Year and compatible to HP/Canon and similar printers.	175	31.50	206.50
5	<b>HDMI Cable : 2 Meter</b>	Each	1 Year Warranty or as actual if greater that 1 Year.	155	27.90	182.90
6	<b>HDMI Cable : 5 Meter</b>	Each	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	475	85.50	560.50
7	<b>HDMI Cable : 10 Meter</b>	Each	Standard Nominated brand with 1 Year Warranty or as actual if greater that 1 Year	1050	189.00	1239.00
8	Multiple USB Connector/Hub 4 Port 3.0 (Transcend/Circle)	Each	1 Year Warranty or as actual if greater that 1 Year.	1100	198.00	1298.00
9	6A Spike Guard with 5 Socket & 5 Meter Cable	Each	Spike Guard with fuse protection/ 3 Pin/ Standard Quality like Anchor/GM	900	162.00	1062.00
<b>G</b>	<b>Storage Devices</b>					
1	<b>16GB Pen Drive 3.0 Steel Body</b> (HP/Kingston/Transcend)	Each	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.	450	81.00	531.00
2	<b>32GB Pen Drive 3.0 Steel Body</b> (HP/Kingston/Transcend)	Each	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.	460	82.80	542.80
3	<b>4GB Blank DVD</b> (Sony/Samsung/HP)	Each	Compatible to MSETCL Systems	185	33.30	218.30
4	<b>1TB External Portable Hard Disk USB 3.0</b> (Segate/Samsung/Transcend)	Each	1 Year Warranty or as actual if greater that 1 Year.	6675	1201.50	7876.50
<b>H</b>	<b>Networking &amp; Devices</b>					
1	<b>Cat-6e UTP Cable with laying</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year.	60	10.80	70.80

2	<b>Cat-6e UTP Cable with laying &amp; PVC Casing &amp; capping, PVC Pipe, Screws, drilling</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year.	92	16.56	108.56
3	<b>2 Core armoured Industrial Grade Fibre optic cable with laying</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	87	15.66	102.66
4	<b>4 Core armoured Industrial Grade Fibre optic cable with laying</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	95	17.10	112.10
5	<b>6 Core armoured Industrial Grade Fibre optic cable with laying</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	108	19.44	127.44
6	<b>2 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing &amp; capping, PVC Pipe, Screws, drilling</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	120	21.60	141.60
7	<b>4 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing &amp; capping, PVC Pipe, Screws, drilling</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	145	26.10	171.10
8	<b>6 Core armoured Industrial Grade Fibre optic cable (D-Link) with laying with PVC Casing &amp; capping, PVC Pipe, Screws, drilling</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	155	27.90	182.90
9	<b>2" Press Fit Royal PVC Casing &amp; capping</b>	Each	1 Year Warranty or as actual if greater that 1 Year.	83	14.94	97.94
10	<b>PVC Pipe</b>	Each	1 Year Warranty or as actual if greater that 1 Year.	83	14.94	97.94
11	<b>Single Information Outlet (Ethernet) with faceplate and box</b> (D-Link/Commscope)	Each	Standard nominated. Providing & Fixing of tool less information outlet (ethernet) flush/surface type in position as per specification no WGNAS/IO.	440	79.20	519.20

12	<b>Double Information Outlet (Ethernet) with faceplate and box</b> (D-Link/Commscope)	Each	Standard nominated. Providing & Fixing of tool less information outlet (ethernet) flush/surface type in position as per specification no WGNAS/IO.	580	104.40	684.40
13	<b>RJ45 Cat6 1 Meter Patch Cord Ethernet LAN Cable</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	195	35.10	230.10
14	<b>RJ45 Cat6 2 Meter Patch Cord Ethernet LAN Cable</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	245	44.10	289.10
15	<b>RJ45 Cat6 3 Meter Patch Cord Ethernet LAN Cable</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	260	46.80	306.80
16	<b>RJ45 Cat6 5 Meter Patch Cord Ethernet LAN Cable (D-Link/Commscope)</b>	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	445	80.10	525.10
17	LC Type SC-LC Fiber Patch Cord 3 Mtr	Each	As per MSETCL Existing Network ,Providing & Installation of 3 Mtr fiber patch cord with 1 GBPS support. Multi mode,Lucent Connector Type.	1650	297.00	1947.00
18	<b>RJ45 LAN Cable connector</b> (D-Link/Commscope)	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	580	104.40	684.40
19	Cable Marker (Coated)	Each	Numbers and Letters	60	10.80	70.80
20	D-Link DGS-1008A 10/100/1000 Mbps Gigabit 8 ports Network Unmanaged Switch	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	2850	513.00	3363.00
21	D-Link DGS-1024C 24-Port Gigabit Network Unmanaged Switch	Each	1 Year Warranty or as actual if greater that 1 Year and Splicing is considered in services.	8900	1602.00	10502.00
22	<b>SFP Module 1.2GBPS(MediaConverter) / GBIC Pair</b> (Syrotech/D-Link)	Each	1.2GBPS transrecivers, Standards and Protocols IEEE 802.3z, CSMA/CD, TCP/IP,Fiber Type 9/125 Lm Single-mode,Port Type LC/UPC.	4200	756.00	4956.00



23	<b>Supply of 28 Port SFP Managed Layer 3 Ethernet Switch</b> (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)	Each	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	38900	7002.00	45902.00
24	19" 6U WALL MOUNT RACK WT H/W PACKET	Each	Wall mounted, toughened glass door, fan openings, Cable entry from top & bottom)	6300	1134.00	7434.00
25	6 PORT FO PATCH PANEL LOADED LIU	Each	6 Port Patch Panel full loaded	6250	1125.00	7375.00
26	24 PORT FO PATCH PANEL LOADED FOR LIU	Each	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	2600	468.00	3068.00
27	Processor i5 12 Gen	Each	Compatible to MSETCL Systems	13650	2457.00	16107.00
28	Motherboard Support i5 12 gen Processor	Each	Compatible to MSETCL Systems	5900	1062.00	6962.00
29	18.5 " LED Monitor	Each	Compatible to MSETCL Systems	6750	1215.00	7965.00
30	24 " LED Monitor	Each	Compatible to MSETCL Systems	9600	1728.00	11328.00
31	64 GB Pen Drive	Each	Standard Size , Not too compact or of made from memory card. Standard Nominated brand with 1 Year Warranty or as actual if greater than 1 Year.	700	126.00	826.00
32	1 TB External SSD	Each	Standard Size , Not too compact or of made from memory card. Standard Nominated brand with 1 Year Warranty or as actual if greater than 1 Year.	6600	1188.00	7788.00

**Estimated Amount is Limited upto 5 Lakh (Service + Spares)**

**Annual Maintenance Contract (AMC) for IT Asset hardware and system software including supply, installation & maintenance at various administrative & field offices of MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati.**

**Annexture-'B' : Service Charges**

Sr. No.	Description	Unit	Qty	Unit Rate (Rs.)	GST @ 18%	Total Amount per Month including GST	Annual Amount including GST
A	B	C	D	E	F=E*18%	G=E+F	H=D*G
1	Annual Service charges for support and maintenance of IT infrastructure at various administrative & field offices of MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati.	Per Month	12.00	17,820.00	3,207.60	21,027.60	252,331.20

**Estimated Amount is Limited upto 5 Lakh (Service + Spares)**

**Annual Maintenance Contract (AMC) for IT Asset hardware and system software including supply, installation & maintenance at various administrative & field offices of MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati.**

**Annexture-'C' - Penalty Clauses**

<b>Sr. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Penalty Calculation</b>	<b>Remarks</b>
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>
1	Absence of 1(One) Support Staff	Per Day	Monthly Service charges for 1(One) Support Staff / 30	Charges will be deducted from monthly bills of bidder or from SD whichever is applicable.
2	Delay in Spares Installation	Per day	Flat Rs.500/- (Rs. Five Hundred Only/-) OR 20% on 'Spares Exclusive cost' whichever is higher	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 & same full cost of that work including penalty will be deducted from monthly bills of bidder or from SD whichever is applicable. Bidder is expected to keep sufficient inventory at location.
3	Delay of Support Staff	30 Minutes	Flat Rs.500/- (Rs. Five Hundred Only/-)	Not present for Support In-Time Or delay in Service in mentioned time. MSETCL will avail service from any third party agency & any bills including penalty will be deducted from monthly bills of bidder or from SD whichever is applicable.
4	Negligence of Support Staff	Per Case	Flat Rs.500/- (Rs. Five Hundred Only/-)	MSETCL will carry same work through any third party and any bills including penalty will be deducted from monthly bills of bidder or from SD whichever is applicable.
5	Unavailability of Tools on site	Per day	Flat Rs.500/- (Rs. Five Hundred Only/-)	MSETCL will carry same work through any third party and any bills including penalty will be deducted from monthly bills of bidder or from SD whichever is applicable.
6	Non availability of Software Set up or Standby tools	Per Case	Flat Rs.500/- (Rs. Five Hundred Only/-)	MSETCL will carry same work through any third party and any bills including penalty will be deducted from monthly bills of bidder or from SD whichever is applicable.

**Estimated Amount is Limited upto 5 Lakh (Service + Spares)**



**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,  
EHV O&M Division, Baramati**

**Annual Maintenance Contract (AMC) for IT Asset hardware and system software  
Including supply, installation & maintenance at various administrative & field offices  
of MSETCL at Baramati & EHV S/stn under EHV O&M Div. Baramati.**

**Annexure - I**

**Scope of work**

- 1) The AMC should cover troubleshooting, preventive, breakdown and regular maintenance and support of different makes of PC's Laptops, Printers, WI-FI, VLAN, LAN, Network Equipment (e.g. Network Routers Switches, Modem, Firewalls, Patch Panels, connectors etc.). Cables & Connectors Projectors, Network Printers and Associate Equipment and their power supply, all software, manufactured and supplied by different Bidders for approximately 40 to 50 Computers, 20 to 30 Laptops, 20 to 30 printers, 30 to 40 LAN devices and allied devices of different but not limited to Lenovo, Dell, HP, Epson, Cisco, D-link, assembled etc. various brands. Faulty material to be replaced with new one and any service to be given should be completed within the time limit of 15 Minutes from call raised through telephone or MSETCL E-ticketing or any other mode like email etc., as per Schedule 'A'. Sufficient inventory as per the list of items to be maintained by bidder on site. All Items are listed in Schedule 'A'. Material should be compatible with existing hardware, LAN setup. Replaced new material should have minimum one year (or as actual if more than one year by manufacturer company) warranty. If material fails within warranty period same has to be replaced by bidder at his own cost. Online support will be given by AMC to MSETCL as per need. All 'Annual Service charges' with respect to whole scope of work are considered in 'Schedule – B'.
- 2) Bidder will maintain Excel and register with all details for replaced material as guided by IT Section. Also, Material or software should support but not limited to Windows Operating system with drivers or configurations. Any material or service should be of standard industry quality. All Items should be brand new and providing and fixing. Means, if e.g. UTP Cat-6 cable is to be replaced or installed, for this work 'scope of work' will be, providing and fixing UTP Cat-6 cable with PVC capping, casing, labour charges, crimping, removing old set up and all things required for the same, so One (1) Meter UTP Cat-6 Cable in Schedule – A comprises of all this. For Optical fibre related items, with just explained example splicing is considered with all required things. This is just illustrative example and applicable for all items in Schedule-A. For any doubts regarding execution, bidder may email to IT section EHV PC O&M Zone PUNE & EHV O&M Dn. Baramati.
- 3) Printer toner, cleaning and refilling as per requirement raised by MSETCL.
- 4) Installation, update, troubleshoot, Maintenance, track of Systems and as per MSETCL needs software in-person at premises OR online whenever needed outside premises of Admin building, Urja Bhavan Baramati. Any and all types of System and application software

installation like but not limited to system software. Anti-virus, Firmware, drivers, etc. including other software installations which has NOT explicitly mentioned. Software will either be given by MSETCL like SAP-GUI etc. or has to be downloaded through Internet like Adobe reader etc.

- 5) Maintenance, update, Track of MSETCL – IT Asset Management System in consultation with IT Section. Data backup of systems as per guidelines by IT Section.
- 6) Maintenance of all IT Systems, LAN, IP Schema, firewall, Switches, Modems, routers and allied all LAN equipment. Maintenance of the entire LAN network, which includes but not limited to, network infrastructure maintenance, network management, traffic monitoring, updating of software on the network hardware. Running latest diagnostic software to check CPU, hard disk and other system components. Laying of network cables (CAT 6e and fibre optic) and through the connectivity with casing and capping with associated equipment. Firewall policies should be able to be designed by support staff whenever required. ‘Networking Devices’ should be as per existing Network. AMC will do Fibre Optic Cable Splicing whenever required. Providing, Fixing, Installation, Configuration, Erection, Commissioning, Maintenance of all Items given in schedule ‘A’. Support to all IT Systems. Support to video Conferencing System.
- 7) Cleaning of the equipment like computers, printers, LAN devices, Video conference device, UPS, Projectors, bi-monthly and whenever required 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. RAM fitment to be done whenever required.

**8) MSETCL Helpdesk Management system:-**

- 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 O&M Dn. Baramati.
- 9) **Internet monitoring:** Check Internet connectivity on daily basis compulsory by morning and evening closing time, if required call log to ISP, track and get resolved the complaint. Check and troubleshoot related issues of End users and ISP.
  - 10) Works assigned by IT Section related to all Systems existing and in future (e.g. Computer Hardware, Software, LAN, MSETCL systems etc.). AMC will provide Online support services over phone by using tools like any desk etc.
  - 11) All work will be extended as per new additions of systems as per requirement of MSETCL on time to time.
  - 12) All tools required as per scope of work like but not limited to hardware, software, Toner powder, networking tools, fiber optic splicing tool, Cat6 Patch cord crimping tool, testers, troubleshooting and diagnostic tools should be available on site.
  - 13) Bidder should provide one email Id to support staff to communicate to MSETCL. Also, Bidder should provide mobile number of support staff to MSETCL, MSETCL officials will call on these numbers for services. Email Id and Mobile numbers should NOT be changed during contract period.

**14) Support staff:**

**Scope of support staffs work with respect to with above points (scope of work) will be:**

- a) Bidder should provide one (1) support staff at the location within office hours. Support staff should be well experienced and skilled Certified in computer Hardware, software,

printer and Network and overall IT devices and systems. Support staff should be able to troubleshoot, diagnose, resolve and should be competent to repair all types of PCs, Laptops, Printers, Scanners, UPS and LAN with all LAN equipment, projectors and overall IT devices and systems, and should be able to handle networking protocols including but not limited to Internet Protocol, Microsoft etc., firewall, switch configuration, PC format with reinstallation of system software at MSETCL. He should have through knowledge of all IT infrastructures.

- b) Support staff should have Hardware, software and Networking Certification from reputed Institute. Support staff should have at least 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 problem or loss occurred to MSETCL due to lack of knowledge of support staff, concern bidder will be responsible for the same and losses will be recovered from the concern bidder.
- c) 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.
- d) The support staff should have to be on the payroll of the bidder. No subcontract of the job to third party bidders will be allowed.
- e) The working hour of the support staff would be 09:30 Hrs to 18:45 Hrs from Monday to Saturday including break and in case of emergencies support staff will have to attend calls on Sundays, Sundays and holidays an 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 possess internet.
- f) Support staff will report on every day morning to the IT Section. The bidder has to provide substitute Support staff in case of absence of any Support staff of same capacity. AMC service charges will be proportionately deducted for the absence of Support staff per working hour.  
In the absence of Support Staff, Penalty will be calculated as per following:  
$$\text{Total deductible amount} = (\text{Total order amount} * \text{Number of absent days of Support Staff}) / 365$$
- g) All the necessary standard tools have to be provided to these Support staff to carry out the maintenance, breakdown, troubleshooting activities including preventive maintenance and support by bidder.
- h) Preventive maintenance will include inspection of each system, LAN, scanning for Virus, scanning hard disk for any defects/ problems therein, cleaning of the system i.e. PC, Monitor, Printer, Key Board, CD/DVD ROM with Drive and other accessories with a blower, vacuum cleaner as per requirement.
- i) New spare/s configuration, installation as per Email requests of concern HOD or Section Head only.
- j) New spare/s must be configured or installed at client site as per the instructions from IT section only.
- k) Response time by Support staff will be Maximum 15 minutes.

- l) Any complaint received to Support staff directly or through this office shall be attended promptly. After attending the complaint, duly signed certificate of the actual user shall be obtained for which material is consumed but for troubleshooting only E-ticket will be sufficient. Any sort of ignorance towards complaints will be viewed seriously. Log of calls attended should be maintained in a register and in E-ticketing system.
  - m) No accommodation or travelling allowance will be given by MSETCL to bidder or Service agency,
  - n) **Reporting:** Day to day reporting of completion, pending work should be submitted to IT section.
- 15) Standard operating procedure (SOP) will be given by IT section regarding work but not limited to e-ticketing, work flow, certificates, operations etc.

### **Scope of work for AMC Personal**

Admin Building, Urja Bhavan Baramati has 40 to 50 Computers, 20to 30 Laptops, 20 to 30 printers, 30 to 40 LAN devices are there of different but not limited to Lenovo, Dell, HP, Epson, Cisco, D-link, TP-Link, assembled etc various brands.

AMC Personal will be present at MSETCL, Admin building, Urja Bhavan Baramati to attend following works 'in time' with all spares as per 'Schedule-A' with diagnostic tools, preventive check-up, Support & Maintenance, as per E-ticketing, **immediately**. Due to on the spot presence of personal, all technical problems will be handled within a time with unique standard quality & parameters defined by IT Section & guidelines given by C.O. time to time.

#### **1) Troubleshooting:**

##### **a) All PCs:**

Troubleshooting includes startup issue, boot MBR issue, RAM refitment issues, checking of whether all devices are connected through UPS or NOT, frequent restart issues, OS update, Software updates, peripheral issues like keyboard, mouse etc. Any faulty material replacement to be replaced as per e-ticketing.

##### **b) All Laptops:**

Troubleshooting includes startup issue, boot MBR issue, RAM refitment issues, frequent restart issues, OS update, Software updates, Any faulty material replacement to be replaced as per e-ticketing.

##### **c) All LAN devices:**

Check for Internet connectivity, replacement of network devices, resolve errors, checking switch end at every office, reconfiguration of network schema. Any faulty material replacement to be replaced as per e-ticketing.

##### **d) LAN & Fibre Cables:**

Check for Main Cables from server end to Each Office functioning once in a month, removing bends, circling & making them straight to have good connectivity.

If any cable, Main or End User, becomes faulty, change them as per standard fitting, crimping, punching, I/O fitting, ferule placement. Any faulty material replacement to be replaced as per e-ticketing.

##### **e) Printers:**



Check printers for non-working state, installation of drivers, Updates, re-fill of toner, blades, drum etc. Any faulty material replacement to be replaced as per e-ticketing.

**2) Preventive Maintenance:**

**a) PCs & Laptops:**

Software updates monitoring & handling on regular basis. Bloor cleaning once in a month, RMA fitment. Status of UPS & make sure every machine is connected via UPS.

b) Preventive maintenance will include inspection of each system, LAN, scanning for Virus, scanning hard disk for any defects/problems therein, cleaning of the system i.e. PC, Monitor, Printer, Key Board, CD/DVD ROM with Drive and other accessories with a blower, vacuum cleaner as per requirement. Preventive maintenance to avoid LAN issues, software issues.

**3) Format, re-installation, back up of PCs:**

Back up of PCs, Format, rearrange drives, re-installation of O.S. and other application software again back up of back up.

**4) Fibre Optic splicing:**

While installing fibre cables or issue occurs to fibre, Fibre optic cable splicing is required to be done with required tools and equipment's & skills.

**5) Installation & Uninstallation of Software:**

Installation of other application software like but not limited to OS, Antivirus, PDF, Printer, Drivers etc. & update & patches for the same.

**6) MSETCL Helpdesk Management system:**

- 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 O&M Dn. Baramati.
- 7) All tools required as per scope of work like but not limited to hardware, software, Toner powder, networking tools, fibre optic splicing tool, Cat6 Patch cord crimping tool, testers, troubleshooting and diagnostic tools should be available on site.
- 8) Support staff will manage 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 will take care that no existing setup to be hampered.
- 9) All work will be extended as per new additions of systems (Pcs, Printers, LAN Items) as per requirement of MSETCL on time to time.

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**Annexure – II**

**Modus of Operandi**

- 1) Any end user has to initiate 'E-ticket' through MSETCL Portal.  
(<http://tms.mahatransco.in/login/user>)
- 2) Concerned e-ticket will be assigned to AMC by IT Section, EHV PC O&M Zone Pune after review of the same.
- 3) AMC personal will get system credentials from C.O. and he will be monitoring e-ticketing system for calls.
- 4) AMC personal will execute the same work within a period & will put his remarks (like nature of work along with system parameters like serial number etc.) through his credentials about execution of work. Also, AMC will take Photo & video for before & after work and save the same under e-ticket Id name.
- 5) If work is satisfactorily completed, End user will 'Close' the e-ticket through his credentials.
- 6) AMC will maintain an Excel & register Month & Day wise along with e-ticket numbers Serial number etc.
- 7) AMC will obtain a signature along with stamp, in a register from end user against e-ticket number for which material has been replaced. Format will be as below:

Sr. No.	Date of the work	E-Ticket Number	Name of employee	SAP ID	Nature of work performed	Material Name used	Material Number used	Signature

- 8) This format will be used while processing bills by AMC & MSETCL.

**SD/-  
(Santosh G. Dhonde)  
Executive Engineer  
EHV O&M Dn. Baramati**