



**INDIAN INSTITUTE OF TECHNOLOGY MADRAS
ENGINEERING UNIT**

CHENNAI – 600 036

Price Bid (Volume 2)

T. No 05/2013-14/Eldb

Name of the work : Annual Maintenance Contract for day to day routine maintenance of EPABX Telephone lines in IIT Madras for the year 2013-14.

Date of Submission of Technical & Price bid : 03.00 pm on 28/01/2013

Date of opening of Technical bid : 03.10 pm on 28/01/2013

Date of opening of Price bid : Will be intimated later.

**Bid Submitted to : The Executive Engineer (E),
Engineering Unit,
Administrative Block III Floor,
IITM, Chennai-36**

**-sd-
Consultant (Elec)**

**-sd-
Executive Engineer (Elec)**

INDIAN INSTITUTE OF TECHNOLOGY MADRAS
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<p>TENDER DOCUMENT</p> <p>FOR</p> <p>Annual Maintenance Contract for day to day routine maintenance of EPABX Telephone lines in IIT Madras for the year 2013-14.</p>
<p>VOLUME-2 (PRICE BID)</p>
<p>BILL OF QUANTITIES</p>
<p>Other volume:</p>
<p>Vol-1: Notice inviting tenders, Conditions of Contract, Additional specifications, General Conditions of Contract , list of approved makes etc.,</p>

INDIAN INSTITUTE OF TECHNOLOGY MADRAS, CHENNAI-36					
BILL OF QUANTITIES					
Annual Maintenance Contract for day to day routine maintenance of EPABX Telephone lines in IIT Madras for the year 2013-14					
SI No.	Description	Quantity	Unit	Rate in Rs.	Amount in Rs.
1	Attending telephone fault including rectification of line fault in junction box, pillar box, internal wiring, replacement of telephone instrument, fixing of RJ11/RJ45 telephone/data socket, rearrangement of telephone lines in MDF, pillar / junction box, providing new connection, shifting of telephone, removal of telephone instrument from site during disconnection, providing ISDN, ADSL lines etc.,	6000	Each		
(Rate in words Rupees)					
2	Supplying and running of 0.51mm 2 pair PVC telephone cable with suitable size PVC pipe / Casing and Capping on wall with painted G.I. Clamps. Make: Delton	15000	Metre		
(Rate in words Rupees)					
3	Supplying and running of 0.51mm 10 pair PVC telephone cable with suitable size PVC pipe / Casing and Capping on wall with painted G.I. Clamps. Make : Delton	500	Metre		
(Rate in words Rupees)					
4	Supplying and running of 0.51mm 20 pair PVC telephone cable with suitable size PVC pipe / Casing and Capping on wall with painted G.I. Clamps. Make : Delton	500	Metre		
(Rate in words Rupees)					
5	Supplying, fixing, connecting & commissioning Telephone jacks of RJ11 type in Manufacturers mounting box on the wall. The approved make will be MK, MDS, Molex & AMP.	300	Each		
(Rate in words Rupees)					

6	Supplying, fixing, connecting RJ-11 1 Module Telephone jack in the existing mounting box. The approved make will be MK, MDS, Molex & AMP.	100	Each		
(Rate in words Rupees)					
7	Supplying, fixing, connecting & commissioning Telephone jacks of RJ45 type in Manufacturers mounting box on the wall. The approved make will be MK, MDS, Anchor Roma, Molex & AMP.	100	Each		
(Rate in words Rupees)					
8	Supplying and fixing of good quality RJ11 rosette box to be connected to the telephone instrument and the PVC cable at the customer site location.	1000	Each		
(Rate in words Rupees)					
9	Supplying and running of 0.51mm single pair tinted Cu telephone jumper wire with color code of red & white for MDF, pillar and junction boxes.	2000	Metre		
(Rate in words Rupees)					
10	Supplying and erection of 800 pair 14SWG MS pillar box (400 pair incoming & 400 pair outgoing) with krone type disconnection module suitable for electronic exchange including termination and construction of concrete pillar of size 600mm x 450mm x 900mm with necessary foundation and earth work with suitable locking arrangement.	1	Each		
(Rate in words Rupees)					
11	Supplying and erection of 400 pair 14SWG MS pillar box (200 pair incoming & 200 pair outgoing) with krone type disconnection module suitable for electronic exchange including termination and construction of concrete pillar of size 600mm x 450mm x 900mm with necessary foundation and earth work with suitable locking arrangement.	1	Each		
(Rate in words Rupees)					

12	Supplying and erection of 200 pair 14SWG MS pillar box (100 pair incoming & 100 pair outgoing) with krone type disconnection module suitable for electronic exchange including termination and construction of concrete pillar of size 600mm x 450mm x 900mm with necessary foundation and earth work with suitable locking arrangement.	1	Each		
(Rate in words Rupees)					
13	Supplying and laying of 100 pair armoured underground jelly filled telephone cable in trench to be excavated to a depth of 75cm X 45cm width and covering the cable with table moulded burnt stock bricks on top transversely and refilling the trench, ramming, consolidating and making it in good condition.	400	Metre		
(Rate in words Rupees)					
14	Supplying and laying of 50 pair armoured underground jelly filled telephone cable in trench to be excavated to a depth of 75cm X 45cm width and covering the cable with table moulded burnt stock bricks on top transversely and refilling the trench, ramming, consolidating and making it in good condition.	600	Metre		
(Rate in words Rupees)					
15	Supplying and laying of 20 pair armoured underground jelly filled telephone cable in trench to be excavated to a depth of 75cm X 45cm width and covering the cable with table moulded burnt stock bricks on top transversely and refilling the trench, ramming, consolidating and making it in good condition.	2000	Metre		
(Rate in words Rupees)					
16	Cutting bituminous road including supplying and running of suitable size G.I. pipes and making the road in good condition by supplying extra quantity of aggregate morum, red bajri including concrete work.	50	Metre		
(Rate in words Rupees)					

17	Supplying of 20/10/5 pair under ground telephone cable jointing kit and providing U/G cable joint by connecting the individual cable pairs as per colour codes insulating each pair with PVC sleeves covering the joint with main and auxiliary sleeves and making the whole joint free from leakage including earth work and labour charges.	10	Each		
(Rate in words Rupees)					
18	Supplying and fixing of 200 pair heavy duty metal junction box with KRONE disconnection module suitable for electronic exchange including termination with suitable locking arrangement.	5	Each		
(Rate in words Rupees)					
19	Supplying and fixing of 100 pair heavy duty FRP/PVC/Metal junction box with KRONE disconnection module suitable for electronic exchange including termination with suitable locking arrangement.	10	Each		
(Rate in words Rupees)					
20	Supplying and fixing of 50 pair heavy duty FRP/PVC/Metal junction box with KRONE disconnection module suitable for electronic exchange including termination with suitable locking arrangement.	20	Each		
(Rate in words Rupees)					
21	Supplying and fixing of 20/10 pair heavy duty FRP/PVC/Metal junction box with KRONE disconnection module suitable for electronic exchange including termination with suitable locking arrangement.	20	Each		
(Rate in words Rupees)					
22	Supplying and fixing of Krone disconnection module in the existing junction box/pillar box including termination for new/replacement.	500	Each		
(Rate in words Rupees)					

23	Supplying and installation of Cat-6 cable in a suitable size PVC channel including RJ-45 Jack termination on both ends. Make : Molex	500	Metre		
(Rate in words Rupees)					
24	Carrying out preventive maintenance to clean the remote switch rooms, cleaning of SC connectors using proper cleaning material, testing of SC converter, LAN extender/modem cleaning. The above service to bring the system working and should be carried out in fortnightly per month to cover all main and remote exchanges.	12	Month		
(Rate in words Rupees)					
25	Providing temporary telephone lines by fixing PVC cable on the site during important events, POS lines, ISDN lines, ADSL lines and remove the same when the program is completed and as instructed by Engineer in-charge	12	Month		
(Rate in words Rupees)					
26	Providing telephone lines for lifts by supplying & laying 2 pair PVC telephone cable in PVC pipe/casing capping from junction box to lift machine room, testing and making it working the running cable in the car and connecting the telephone instrument as instructed by Engineer in-charge.	20	Each		
(Rate in words Rupees)					
27	Supplying and fixing of SC connectors - Single Mode including connectorization and termination. Make : Molex	60	Each		
(Rate in words Rupees)					
28	Supplying and fixing of USO SC Adaptors with bezels. Make : Molex	60	Each		
(Rate in words Rupees)					
29	Splicing charges for each core of Single Mode Optical fiber including termination of the kit.	60	Each		
(Rate in words Rupees)					

30	Supplying and installation of 10/100 LAN extender to extend the communication link thro' copper pair (2 devices/set) Make : LAN Modem R2300	2	Set		
(Rate in words Rupees)					
31	Supplying of telephone line chord and coil chord of standard length with termination of RJ11 jacks on both ends.	1000	Each		
(Rate in words Rupees)					
32	Supplying of Panasonic KX-TS-500 electronic push button telephone instrument with necessary accessories.	100	Each		
(Rate in words Rupees)					
33	Supplying of Panasonic KX-TS 62 electronic push button telephone instrument with necessary accessories.	300	Each		
(Rate in words Rupees)					
34	Supplying of D-Link ISDN NT1 network terminal devices to conduct Video Conferencing.	3	Each		
(Rate in words Rupees)					
	Total				

Total Amount in words Rupees

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Signature of the Contractor

**-sd-
 Consultant (Elec)**

**-sd-
 Executive Engineer (Elec)**