

Single window supply, Installation, testing & commissioning of 104 Nos smart card based automatic ticket vending machines (ATVMs) (consisting of Thin Clients 4K Readers, thermal Printers, UPS & other accessories) and 53 Nos. station management console (SMC) (consisting of thin client with software License, 4K Readers/Writers & DOT Matrix Printers. 40000 Nos of 4K RFID smart cards) & related electrical & Data communication equipments with 3 years comprehensive onsite warranty along with service support and 2 years comprehensive annual maintenance contract as per details attached

S.N	Description	unit	Qty
1	Smart card operated ATVM kiosk consisting of touch screen, embedded client 4K RFID reader /writer, thermal printer, operating system and RDBMS license.	Nos	104
2	Station Management Console (SMC) consisting of thin clients & 4K RFID smart card reader/writer	Nos	53
3	Dot Matrix Printer (80 Column)	Nos	53
4	Terminal Servers	Nos	32
5	4K RFID smart cards	Nos	40000
6	1KVA UPS	Nos	99
Electrical Segment			
7	Wiring of the 5A/5 pin Universal plug point (3 plug & 3 switch on separate board) with 2.5 sqmm copper PVC insulated 1 KV. Multi stranded wire on rigid PVC casing/caping with all accessories and running earthing of 2.5 sqmm copper conductor with green colour PVC insulated 1.1 KV connected to each plug on switch board. The switches shall be modular	Nos	159
8	Supply erection, testing and commissioning of DP 20 AMPS with neutral MCB in acrylic cover on switch board complete with 2.5 sqmm copper and 6 sqmm copper submains on PVC conduit.	Nos	159
9	Supply , running , fixing of 2.5 sqmm 4 core multi stranded . Armoured XLPE insulated cable PVC insulated sheathed 1.1 KV grade and shall be laid I appteoved manner with strip of heavy duty GI angle tray saddles. The terminated of mains cable shall be carried out with suitable size glands and lugs wherever required.	Mtrs	4770
10	Supply , erection, testing and commissioning of maintenance free earth using copper coated steel rods compression coupler as per RDSO specification no. RDSO/PE/SPEC/PS/0109-2008 (REV-0) with approved earth enhancing compound and exothermic welding.	Nos	99
11	Supply and laying of 25mm x 6 mm copper strip for interconnection the earthling system	Mtrs	1600
S&T Segment			
12	CAT -6 cable solid 4 pair, 100 ohms shielded pair conductor size 23 AWG	Mtrs	5350
13	PVC casing capping size(1 inch X 1.5 inch)	Mtrs	9500
14	Supply of single port information outlet with SMB as per specification	Nos	400
15	Patch card 3 meter CAT-6 UTP. Make Dlink/tyco/Amp/Molex	Nos	318
16	Flexible pipe 25 mm dia length each roll 30 mtrs.	Mtrs	2000
17	LAN extender (as master & slave configuration) as per specification	Nos	75

18	24 port 10/100 Mbps LAN switch manageable with two 1000 Base T mini gigabit gigabyte combo port	Nos	20
19	Supply of RJ-11 /RJ 45 Crimping Tool of standard make (Metallic)	Nos	25
20	Supply of LAN Tester of reputed make	Nos	25
21	RJ-45 Connector make – Digilink/Tyco/Comscop/3m	Nos	150
22	Extension of connectivity to ATVM which may include Screws , Panels Boards etc.	Nos	160
AMC			
23	4 th year comprehensive annual maintenance contract		
24	5 th year comprehensive annual maintenance contract		