

Existing List of Goods & Services

The Presently installed hardware in the SCADA/DMS system. The bidder has to check on its own the working of each hardware and software before quoting the rates.

Form: 2 SCADA/DMS Control Center Cost (BOQ) – Ahmedabad Peri City			
Sl. No	Equipment	Unit	Quantity
A1	Server/ Workstation Hardware		
1	SCADA/DMS Server	No.	2
2	FEP Server with Interface Switches	No.	2
3	ISR Server	No.	2
4	NMS Server	No.	2
5	DTS Server	No.	0
6	Developmental Server	No.	1
7	Communication Server	No.	2
8	Web/Directory Server	No.	2
9	Workstation with dual TFT Monitors	No.	2
10	Remote VDUs with one TFT Monitors	No.	10
11	Developmental console with one TFT	No.	2
12	DTS/Workstation Console with dual TFTs	No.	0
13	DLP based Video Projection System with 2x3 Module configuration with each module at least 67" diagonal with common projector (2x3)	No.	1
-	<u>Storage & Backup Devices</u>	-	-
14	External RAID Mass Storage Device (for 2 months online backup)	No.	1
15	External DAT Drive (160/320 GB)	No.	1
-	<u>Switches</u>	-	-
16	Layer II switch (SCADA/DMS LAN)	No.	2
17	Layer II switch (Development System LAN & DTS)	No.	1
18	Router for interfacing IT system (IT DC & IT CC), SCADA/DMS DR Centre & SLDC	No.	1
19	Router at Remote VDU	No.	10
20	Firewall & Network IPS	No.	N/A
-	<u>Other Active Devices</u>	-	-
21	GPS Time synchronization system	Set	2
22	Time, day & date digital displays	Set	incl. above
-	<u>Printers</u>	-	-
23	A3 Color inkjet printer	No	1
24	B/W Laser Printer	No	1
25	Color Laser Printer	No	0

Regd. & Corporate Office: Visnagar Road, MEHSANA - 384 001 (North Gujarat)

Telephone: 02762-236254

Fax: (02762) 223574

Website: www.ugvcl.com

e-mail: corporate@ugvcl.com

Form: 2 SCADA/DMS Control Center Cost (BOQ) – Ahmedabad Peri City			
Sl. No	Equipment	Unit	Quantity
-	<u>Security system (DMZ)</u>	-	
26	Web server with load balancing	No.	2
27	Mail server	No.	0
28	Router	No.	2
29	Firewall & Network IDS, IPS	No.	2
30	Layer II switch	No.	2
-	<u>Cabling System</u>	-	
31	Cable, Jacks etc.	Lot	1
32.01	ACDB to each DCC	No.	1
32.02	Racks	Lot	2
32.03	KVM Switch	No.	2
32.04	17" TFT Monitor for Server Racks with mouse & keyboard	No.	2
32.05	Server Connectivity Dongles	No.	15
32.06	Colour Plotter, 36" Size	No.	1
32.07	Colour Scanner, A3 Size	No.	1
A3	<u>Software</u>		
34	SCADA software	Lot	1
35	ISR Software	Lot	1
36	DMS software	Lot	1
37	DTS software	Lot	0
38	Developmental software	Lot	1
39	Network Management Software	Lot	1
40	RDBMS package	Lot	1
41	WEB /Network security software	Lot	1
42	GIS Adaptor/Engine for importing data from GIS system under IT system	Lot	1

Form: 6 Communication System – Ahmedabad Peri City

SI No.	Equipment	Unit	Quantity
E2A	Bandwidth Charges for 1 Year		
1	Network Connectivity Charges for 2 mbps MLLN-broadband Link	No.	N/A
2	Network Connectivity Charges for 64 kbps MLLN-broadband Link	No.	N/A
3	Network Connectivity Charges for 2 mbps MPLS-broadband Link (SLDC, IT DC, CCC, SCADA DR)		
3.01	Aggregated Bandwidth - SCADA/DMS CC	No.	1
3.02	Aggregated Bandwidth - SLDC	No.	0
3.03	Aggregated Bandwidth - IT DC	No.	0
3.04	Aggregated Bandwidth - CCC	No.	1
3.05	Aggregated Bandwidth - SCADA DR	No.	0
3.06	Network Connectivity Charges for 2 mbps MPLS-broadband Link required for RTUs	No.	19
3.07	Network Connectivity Charges for 2 mbps MPLS-broadband Link required for Remote VDUs	No.	10
4	Network Connectivity Charges for CDMA/GPRS/3G required for FRTUs	No.	914
5	Network Connectivity Charges for existing leased line from BSNL (Actual avg charges per link per annum)	No.	0
E4A	Wireless Communication Modems		
6	GPRS	No.	N/A
7	CDMA	No.	N/A
8	EDGE	No.	N/A
9.01	3G (FRTU)	No.	411
9.02	3G (FPI)	No.	503
E4B	Mandatory Spares for Modems		
10	Wireless Communication Modem (FRTU)	No.	44
10	Wireless Communication Modem (FPI)	No.	18
	Total of E-Communication System		

“Save Energy for Benefit of Self and Nation”

UGVCL
Uttar Gujarat Vij Company Limited

CIN - U40102GJ2003SGC042906
(A subsidiary of Gujarat Urja Vikas Nigam Limited)

(An ISO 9001:2008 Certified Company)

Form -7 Auxiliary Power Supply – Ahmedabad Peri City			
Sl. No.	Equipment	Unit	Quantity
F1	Main Equipments - Control centre		
1	UPS with 20kVA rating running in parallel redundant mode	Set of Two	1
2	VRLA type Battery Banks for above UPS for minimum 30 min. backup duration		1
3	DC Power Supply (DCPS) system based on SMPS (for 20 A load plus charging current @10% capacity)	Set	1
4	Battery Bank for above DCPS (VRLA Type) for minimum 4 hrs backup		1
F5	For RTU / Data Concentrator / Communication Equipments		
5	48V DC Power Supply (DCPS) system based on SMPS	No.	19
6	Battery bank for above DCPS (VRLA Type) for minimum 4 hrs backup	No.	19
F6	For FRTU		
7	24V DC Power Supply (DCPS) system based on SMPS	No.	411
8	Battery bank for above DCPS (VRLA Type) for minimum 4 hrs backup	No.	1,446
F7	Remote VDU location		
9	UPS (2 kVA) with battery set for Remote VDU	No.	10

Note: Bidder shall verify the actual condition of the hardwares before quoting the rates