

## Appendix to Financial Part

### Schedule No. 1. EWDS Supplied from India / Abroad

#### I. DMR Equipments

Sl. No	Item	Qty. (Nos.) (1)	At Site Unit Price (2)	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii) (3)	At site Total price (1) x (2)
1	DMR Equipments				
	SEOC				
	DMR Work Station for Dispatcher with 19" LED Monitor and 32" LED wall mountable Screen, Mic, speakers. Professional Work station for GIS application and Radio Dispatch application Software and Licenses	2			
	Client Software for Remote PC & Mobile Application	1			
	PSTN/VOIP Interface Gateway at SEOC for interfacing with Radio Servers installed at respective DEOC	3			
	24 Port L2 Switch High End	1			
	Equipment Earthing	1			
	6 way charger for Handheld terminal with 10 no of 5A Power Socket	1			
	DMR Hand Held terminals D(VHF Band) including GPS With Spare Battery & Charger Set	67			

	Power Cabling 10 mtrs	1			
	2T Split Inverter Air Conditioner	4			
	Any other item				
	DEOC				
	DMR Work Station for Dispatcher with 19" LED Monitor and 32" LED wall mountable Screen, Mic, speakers. Professional Work station for GIS application and Radio Dispatch application Software and Licenses (2 Professional Work Stations x3 districts)	6			
	Professional Workstation for DMR Radio Server application software including Repeater/GIS/PSTN/ VOIP/ GSM Interface licenses for Server (1 Pack per District x 3 Districts)	3			
	Client Software for Remote PC & Mobile Application (one per district x 3 districts)	3			
	PSTN/VOIP Interface Gateway for Radio Server	3			
	GSM SMS Gateway for Radio Server	3			
	24 Port L2 Switch High End (one per district x 3 districts)	3			
	DMR Fixed Station (one per district x 3 districts)	5			
	Digital Mobile Set (VHF Band) including GPS With Mobile Antenna	5			
	Equipment Earthing (one per district x 3 districts)	3			
	Power Cabling 10 mtrs	3			
	2T Split Inverter Air Conditioner	6			
	Any Other item				
	TEOC				

	DMR Fixed Station (one per TEOC x 8)	14			
	Digital Mobile Set (VHF Band) including GPS With Mobile Antenna	15			
	Power Cabling 10 mtrs (one per TEOC x 8 TEOCs)	08			
	2T Split Inverter Air Conditioner (one set per Block x22 blocks)	08			
	Equipment earthing	08			
	Any Other item				
	<b>FLC</b>				
	DMR Fixed Station (one per FLC x 15 )	15			
	Equipment Earthing (one per FLC x 15 )	15			
	<b>MPCS</b>				
	DMR Fixed Station (one per FLC x 07 )	07			
	Equipment Earthing (one per FLC x 07 )	07			
	<b>POLICE, FIRE &amp;CSPF</b>				
	DMR Fixed Station	11			
	Equipment Earthing	11			
	<b>REPEATER STATIONS</b>				
	Digital Repeater (VHF Band) suitable for DMR Operations with all Accessories	07			
	Micro wave Radio with 29dbi Duel PLZ Antenna,PoE,Cat6 STP Cable or equivalent	10			
	Duplex filter with cables	07			
	Low loss cable 1/2" with suitable connectors (70 Mtrs. each)	07			
	High Gain VHF Antenna	07			
	Solar Power System with Inverter Battery back-up for 8 hours	07			
	Equipments Earthing	07			
	Power cabling	07			
	Any other item				
2	<b>SATELLITE PHONES</b>				

	<b>SEOC</b>				
	SBMDV Satellite terminal	02			
	Satellite Phone SEOC	02			
	<b>DEOC</b>				
	SBMDV Satellite terminal (2x 3 districts)	06			
	Satellite Phone DEOC	03			
	<b>TEOC</b>				
	Satellite Phone TEOC	08			
3	<b>Bandwidth&amp; INTERNET</b>				
	<b>SEOC</b>				
	10 Mbps Bandwidth -OFC	01			
	5 Mbps Internet - OFC	01			
	Network Management System	01			
	42 U Server Rack (19 " width) - (one per SEOC)	01			
	24 port L2 switch with 2 Fiber Port 10/100/1000 and 2 GE ports (one per SEOC) and 2 GE ports	01			
	Firewall and IPS	01			
	24 Port FODP (Fibre Optic Distribution Panel) with Pigtail and Copper Patch panel	01			
	WAN Router with 8 FE Port , 2 GE WAN Port and with 2 FiberPort 10/100/1000	01			
	Fiber Optic Structured Cabling upto 2 Kms from SWAN Port	01			
	Any other item				
	<b>DEOC</b>				
	4 Mbps OFC Internet	03			
	27 U Server Rack (19 " width) - (one per district x 3 districts)	03			
	24 port L2 switch with 2 Fiber Port 10/100/1000 (one per district x 3 districts)	03			
	24 Port FODP (Fibre Optic Distribution Panel) with Pigtail and Copper Patch panel	03			

	Fiber Optic Structured Cabling upto 2 Kms from SWAN Port	03			
	WAN Router with 8 FE Port , 2 GE WAN Port and with 2 FiberPort 10/100/1000	03			
	Any other item				
	<b>TEOC</b>				
	4 Mbps internet - OFC	08			
	9 U Wall Mountable 19" Server Rack (one per TEOC x 08)	08			
	12 port L2 switch with 2 FiberPort 10/100/1000 (one per TEOC x 08)	08			
	5 Way 230 V Power Strip	08			
	WAN Router with 4 LAN Ports and with 2 WAN Ports 10/100/1000	08			
	Fiber Optic LAN Structured Cabling within 1000 Meters from SWAN Port	08			
	CAT'6' Copper LAN Structured Cabling within 50 Meters	08			
	12 Port FODP (Fibre Optic Distribution Panel) with Pigtail and Copper Patch panel	08			
	<b>REPEATER STATIONS</b>				
	4 Mbps internet Bandwidth	07			
	9 U Wall Mountable 19" Server Rack (one per Repeater x 7 )	07			
	12 port L2 switch with 2 FiberPort 10/100/1000 (one per Repeater) x7	07			
	5 Way 230 V Power Strip	07			
	WAN Router with 4 LAN Ports and with 2 WAN Ports 10/100/1000	07			
	Any other item				
4	<b>ALERT SIREN SYSTEM</b>				
	SEOC				
	GUI based Mass Alert notification Software (with	1			

	license for SEOC and all TEOC's to communicate over GSM and Radio (VHF) network				
	Computer Station with 19 inch monitor (1+1 hot standby)	1			
	GPRS Router with SIM card (1+1)	1			
	Microphone, Digitized Pre-Recorded Voice Messages Pre-Recorded Digital Messages Includes up to 15 pre-recorded messages	1			
	<b>TEOC</b>				
	Communication Control station-Hardware which Control Alert Siren functionality	08			
	Advanced Communication Board-Interface board that allows the CCU to communicate over digital radios and via GSM. Two are required for each CCU, one for the Digital Radio and the second for the GSM Modem.	08			
	GSM (GPRS) Router with SIM (1+1)	08			
	Microphone, Digitized Pre-Recorded Voice Messages, Pre-Recorded Digital Messages - Includes up to 15 pre-recorded messages	08			
	Any other item				
	<b>MULTI-PURPOSE CYCLONE SHELTERS (MPCS) – 07 NOS.</b>				
	Alert Siren (Omni Directional) Range: 1.5 km	07			
	RTU (with GPRS Router with Sim (1+1), in built Voltage Stabilizers etc.,)	07			
	VHF Antenna	07			
	GPRS Antenna	07			

	Solar Panel	07			
	Solar Hybrid Inverter 1500 VA, Power cabling	07			
	Solar Battery Bank	07			
	Any other item				
	<b>TOURIST LOCATIONS (SEA BEACHES) – 18 NOS.</b>				
	Alert Siren (Omni Directional) Range: 1.5 km	18			
	RTU (with GPRS Router with SIM (1+1), in built Voltage Stabilizers etc.,)	18			
	VHF antenna	18			
	GPRS Antenna	18			
	Solar Panel with solar battery bank	18			
	Solar Hybrid Inverter 1500 VA, Power cabling	18			
	Any other item				
	<b>FLC</b>				
	Alert Siren (Omni Directional) Range: 1.5 km	05			
	RTU (with GPRS Router with SIM (1+1), in built Voltage Stabilizers etc.,)	05			
	VHF antenna	05			
	GPRS Antenna	05			
	Solar Panel with solar battery bank	05			
	Solar Hybrid Inverter 1500 VA, Power cabling	05			
	Any other item				
5	<b>ANGULAR TOWERS</b>				
	40 mtr tower including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	02			
	30 Mtrs. Tower including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	10			
	24 Mtrs. Tower including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	03			

	<b>SPUN CONCRETE TOWERS</b>				
	21 Mtrs. Tower including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	07			
	15 Mtrs. Tower including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	30			
	<b>POLE</b>				
	5 M Pole on roof top including necessary civil work with Lighting Arrester, Aviation Lamp, Earthing	5			
6	<b>OFFICE AUTOMATION</b>				
	<b>SEOC</b>				
	Work Stations (PC) with 19 " LED Monitor (OS, MS Office & Anti-Virus) with Head Phone, Webcam, Microphone, Keyboard, Mouse	02			
	Portable Projector with screen	01			
	Laserjet All-in-One Printer (Printer, Scanner, Photocopier)	01			
	Fax Machine	01			
	42 inch LED TV Screen with HDMI cable for news feed	04			
	Set-top Box with TV-Connection Charges	04			
	Modular Furniture (tables + Chairs)	07			
	<b>District Emergency Operation Centre (DEOC)</b>				
	Work Stations (PC) with 19 " LED Monitor	06			
	Portable Projector with screen	03			
	Laserjet All-in-One Printer (Printer, Scanner, Photocopier)	03			
	Fax Machine	03			
	42 inch LED TV Screen with	06			



	HDMI cable for news feed				
	Set-top Box with TV-Connection Charges	06			
	Modular Furniture tables + Chairs	09			
	<b>Taluk Emergency Operation Centre (TEOC)</b>				
	Work Stations (PC) with 19 " LED Monitor	08			
	Modular Furniture tables + Chairs	08			
7	<b>POWER</b>				
	<b>SEOC</b>				
	DG Set 15 KVA with platform base	01			
	UPS-10 KVA at SEOC (2 in Hot stand by configuration)	02			
	POWER Cabling	01			
	<b>DEOC</b>				
	DG Set 10 KVA (1 per District	03			
	UPS- 5 KVA (1 per District )	03			
	POWER Cabling	03			
	<b>TEOC</b>				
	DG Set 5 KVA per TEOC	08			
	UPS- 5 KVA (1 per TEOC)	08			
	POWER Cabling	08			
	<b>REPEATER STATIONS</b>				
	2 KVA UPS with 4 hours backup	07			
8	<b>LAN Cabling</b>				
	<b>SEOC</b>				
	Face Plate (Single Port)	15			
	24 Port Patch Panel – loaded	1			
	Cat 6, UTP Patch Cord - 1 mtr.	15			
	Cat 6, UTP Patch Cord –2 mtr	15			
	<b>DEOC</b>				
	Face Plate (Single Port)	30			
	Cat 6 UTP cable (300 mtrs.)	2			
	24 Port Patch Panel – loaded	3			
	Cat 6, UTP Patch Cord -	30			

	1 mtr.				
	Cat 6, UTP Patch Cord - 2 mtr.	30			
	<b>TEOC</b>				
	Face Plate (Single Port)	40			
	12 Port Patch Panel – loaded	8			
	Cat 6, UTP Patch Cord - 1 mtr.	40			
	Cat 6, UTP Patch Cord - 2 mtr.	40			
<b>9</b>	Universal Communication Interface1 (SEOC)	1			
<b>10</b>	<b>WPC LICENSE</b>				
	WPC LICENSE CHARGES FOR DMR (Lumpsum)				
	WPC LICENSE CHARGES FOR SBMDVT (Lumpsum)				
	WPC LICENSE CHARGES FOR Satellite phones				
<b>11</b>	<b>Mandatory SPARES</b>				
<b>i</b>					
<b>ii</b>					
<b>iii</b>					
<b>iv</b>					
<b>v</b>					
<b>vi</b>					

*Note : Bidder is required to quote miscellaneous item (if required any) to fulfil the solution requirements*