

Meghalaya State Wide Area Network (MSWAN)

CORRIGENDUM No.2

Ref. No. MITS/26/2007/602

Dated: 26/08/2008

This Corrigendum consists of the clauses, which have been modified after internal review of the Revised RFP floated on August 14, 2008

All the modified clauses with respect to earlier RFP are given as under:

Sr. No.	Section No.	Page No.	Clause no.	RFP Clause	Modified Clause
1	4	51	1.3	Provision of Space/Utilities	The modified tables for WAN Control room and Video Conference Room & Generator Room are given at Table-I and Table-II at Annexure-A of this corrigendum.
2	5	147	5.30	Requirement of Gensets Bidder should ----- for noise level & emission. SHQ - 20 KVA (1 Phase) DHQ - 8 KVA (1 Phase) SDHQ/BHQ - 5 KVA (1 Phase)	Requirement of Gensets Bidder should ----- for noise level & emission. SHQ - 20 KVA (3 Phase) DHQ - 8 KVA (1 Phase) SDHQ/BHQ - 5 KVA (1 Phase)
3	5	148	5.30.1.2.3	230 Volts	230 Volts for 8 KVA, 415 V for 20 KVA

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Sr. No.	Section No.	Page No.	Clause no.	RFP Clause	Modified Clause
4	5	148	5.30.1.2.5	Single phase	Single phase (8KVA), Three phase (20KVA)
5	5	148	5.30.1.2.11.1	+1.5 % voltage regulation (max)	±1.5 % voltage regulation (max)
6	6	159	Form-I, Sr. No. 28	Have you submitted valid Income tax Clearance certificate for the years 2005-2006, 2006-2007 and PAN no. (each member of consortium)	Have you submitted valid Income tax Clearance certificate for the years 2006-2007, 2007-2008 and PAN no. (each member of consortium)
7	6	161	Form-IIA		The revised form is placed at Annexure-A of this corrigendum.
8	8	181-191	Formats A(1), A(2), A(3), A(4) B(1), B(2)		The changes made in Formats A(1), A(2), A(3), A(4), B(1) and B(2) of Section-8 Financial Bid. The revised forms are placed at Annexure-A of this corrigendum.

All other terms and conditions remain the same.

**Sd/
Commissioner & Secretary (IT)
& Member-Secretary, MITS**

Table-I

WAN Control Room				
Sr. No.	Item	SHQ	DHQ	SDHQ/BHQ
1	Lights (CFL)	40 (Forty) nos. of CFL of minimum 20 watts	16 (Sixteen) nos. of CFL of minimum 20 watts at each DHQ	10 (Ten) nos. of CFL of minimum 20 watts at each SDHQ/BHQ
2	Split AC (with cooling and heating facility)	4 (Four) nos. of Split A/C of 2 ton each	2 (Two) nos. of Split A/C of 1.5 ton each at each DHQ	1 (One) no. of window A/C of 1.5 ton at each SDHQ/BHQ
3	Power Points and cabling modifications	As per requirements		
4	Table	2 (Two) nos.	1 (One) no. at each DHQ	1 (One) no. at each SDHQ/BHQ
5	Chair	10 (Ten) nos.	6 (Six) nos. at each DHQ	4 (Four) nos. at each SDHQ/BHQ

Table-II

Video Conference Room				
Sr. No.	Item	SHQ	DHQ	SDHQ/BHQ
1	Lights (CFL)	90 (ninety) nos. of CFL of minimum 20 watts	90 (ninety) nos. of CFL of minimum 20 watts at each DHQ	N/A
2	Split AC (with cooling and heating facility)	4 (Four) nos. of Split A/C of 2 ton each	4 (Two) nos. of Split A/C of 2 ton each at each DHQ	N/A
3	Power Points and cabling modifications	As per requirements		
4	Table	1 (one) no.	1 (One) no. at each DHQ	N/A
5	Chair	25 (twenty five) nos.	25 (twenty five) nos. at each DHQ	N/A
6	Data Cable	As per requirements		N/A
7	Microphone	Microphone points as required on the table spread evenly to avoid echoes		N/A
Generator Room				
Sr. No.	Item	SHQ	DHQ	SDHQ/BHQ
1	Lights	2 (Two) nos. of CFL of minimum 20 watts	2 (Two) nos. of CFL of minimum 20 watts at each DHQ	2 (Two) nos. of CFL of minimum 20 watts at each SDHQ /BHQ of minimum 20 watts
2	Power Points and cabling	As per requirements		

Form – II A

1. Format for Financial Capability

A. FINANCIAL INFORMATION

S. No.	Name of the bidder/ Prime member of consortium	Equity Contribution Proposed	Turnover (Rs. Crores)			Net worth (Rs. Crores)
			2005-2006	2006-2007	2007-2008	2007-2008

Note:

1. Submit the audited financial statement/ audited annual report of the last three financial years.
2. Minimum requirement of turnover is 25 crores each year.

Format A(1): Vertical Connectivity

S. No.	Description	No. of Units (A)	Unit value for a Quarter period (Rs.)		Quarterly Guaranteed Revenue (Rs.) (D) = A x (B + C)	Total QGR for 5 years (Rs.)	
			CAPEX (B)	OPEX (C)		E = D x 20	
					In Figure	In Words	
1.	Supply, Installation, Operation*, maintenance and provision of services at SHQ with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	1					
2.	Supply, installation, operation*, maintenance and provision of services for 7 DHQs with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	7					
3.	Supply, installation, operation*, maintenance and provision of services for 8 SDHQs with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	8					
4.	Supply, installation, operation*, maintenance and provision of services for 25 non-remote BHQs with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	25					
5.	Supply, installation, operation*, maintenance and provision of services for 14 remote BHQs connected via VSATs with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	14					
6.	Supply, Installation, operation and maintenance of IP Phone Type-1 (This figure should match with the figure given in Format B)	55					
Sub-total A(1)							

* Operation includes: Supply, installation & commissioning of all the desired & other relevant equipments which are required for readiness of network for delivery of asked services.

Format A(2): Horizontal Connectivity

Sr. No.	Description	No. of Units			Unit Value for a Quarter Period (Rs.)						Quarterly Guaranteed Revenue (Rs.)			Total QGR for 5 years (Rs.)		
					CAPEX			OPEX								
		SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)= (D+G) x A	(K)= (E+H) x B	(L)= (F+I) x C	(M)= J x 20	(N)= K x 20	(O)= L x 20
1	Supply, installation, operation*, maintenance and provision of services for horizontal office at SHQ/DHQ/SDHQ connected through 2 Mbps Lease Line or appropriate bandwidth with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	10	(7x5) = 35	(8x1) = 8												
2	Supply, installation, operation*, maintenance and provision of services for horizontal office at SHQ/DHQ/SDHQ connected through OFC (within 3 Kms of the SHQ/DHQ/SDHQ) with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	5	(7x2) = 14	-												
3	Supply, installation, operation*, maintenance and provision of services for horizontal office at SHQ/DHQ/SDHQ connected through RF (within 10 Kms of the SHQ/DHQ/SDHQ) with data, voice and video services as per the technical and operational requirements as specified in the RFP document.	5	(7x3) = 21	(8x1) = 8												

Corrigendum No. 2 For MSWAN

Sr. No.	Description	No. of Units			Unit Value for a Quarter Period (Rs.)						Quarterly Guaranteed Revenue (Rs.)			Total QGR for 5 years (Rs.)		
					CAPEX			OPEX								
		SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ	SHQ	DHQ	SDHQ / BHQ
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)= (D+G) x A	(K)= (E+H) x B	(L)= (F+I) x C	(M)= J x 20	(N)= K x 20	(O)= L x 20
4.	Supply, Installation, operation and maintenance of IP Phone Type-1 (This figure should match with the figure given in Format B)	19	21	-												
5.	Supply, Installation, operation and maintenance of IP Phone Type-2 (This figure should match with the figure given in Format B)	10	7	-												
6.	Supply, Installation, operation and maintenance of VC Endpoint (This figure should match with the figure given in Format B)	3	7	-												
Sub-Total A(2) = Sum of total QGRs of SHQ [1(M)+2(M)+3(M)+4(M)+5(M)+6(M)], DHQ [1(N)+2(N)+3(N)+4(N)+5(N)+6(N)] and SDHQ/BHQ [1(O)+2(O)+3(O)+4(O)+5(O)+6(O)] (in figure):																
Sub-Total A(2) in words:																

*** Operation includes:** Supply, installation & commissioning of all the desired & other relevant equipments which are required for readiness of network for delivery of asked services.

Format A (3): Site Preparation Cost

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)	
						Per QGR	Total QGR in 5 years
						E= C x D	E= D x 20
1	Site preparation of WAN Control Room, VC Room, Generator Room at SHQ as per the technical and operational requirements given in the RFP. (Please specify cost, make, quantity and quality certification of each sub point separately as given below)						
1A	a. WAN Control Room Size (400 sq. feet) Site Preparation Items (Give per square feet cost) False flooring (Anti Static) False Ceiling POP Plastic Paint Doors Signage Lights Partitioning (glass) Light/Power points (5/15 Amps) Blinds Any other item	400 sq. feet	1	400 sq. feet			
	b. Furniture (Give per unit cost)	Table(s)	2	1	2		
		Chair(s)	10	1	10		
	c. Split AC – 2 ton (Give per unit cost)		4	1	4		

Corrigendum No. 2 For MSWAN

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)		
						Per QGR	Total QGR in 5 years	
						E= C x D	E= D x 20	
A	B	C=A x B	D	E= C x D	E= D x 20			
1B	a. VC Room (900 sq. feet)							
	Site Preparation Items (Give per square feet cost)	900 sq. feet	1	900 sq. feet				
	Floor Carpeting							
	False Ceiling							
	POP							
	Plastic Paint							
	Door(s)							
	Signage							
	Lights							
	Partitioning (glass)							
	Light/Power points (5/15 Amps)							
	Blinds							
	Any other item							
	b. Furniture (Give per unit cost)	VC Table for 25 persons	1	1				
		Chairs for 25 persons	25	1	25			
	c. Split AC - 2 ton (Give per unit cost)	4	1	4				
1C	Generator room (150 sq. feet)	150 sq. feet	1	150 sq. feet				
	1.1.1 Site Preparation Items							
	Bidder to mention the items							
Sub-total (W) = Total Site Preparation Cost of WAN Control Room, VC Room, and Generator Room at SHQ								

Corrigendum No. 2 For MSWAN

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)	
						Per QGR	Total QGR in 5 years
		A	B	C=A x B	D	E= C x D	E= D x 20
2	Site preparation of WAN Control Room, VC Room, Generator Room at DHQ as per the technical and operational requirements given in the RFP. (Please specify cost, make, quantity and quality certification of each sub point separately as given below)						
2A	a. WAN Control Room Size (300 sq. feet) Site Preparation Items (Give per square feet cost) False flooring (Anti Static) False Ceiling POP Plastic Paint Doors Signage Lights Partitioning (glass) Light/Power points (5/15 Amps) Blinds Any other item	300 sq. feet	7	2100 sq. feet			
	b. Furniture (Give per unit cost)	Table(s)	1	7	7		
		Chair(s)	6	7	42		
	c. Split AC – 1.5 ton (Give per unit cost)		2	7	14		

Corrigendum No. 2 For MSWAN

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)	
						Per QGR	Total QGR in 5 years
						E= C x D	E= D x 20
		A	B	C=A x B	D	E= C x D	E= D x 20
2B	a. VC Room (900 sq. feet)						
	Site Preparation Items (Give per square feet cost)	900 sq. feet	7	6300 sq. feet			
	Floor Carpeting False Ceiling POP Plastic Paint Door(s) Signage Lights Partitioning (glass) Light/Power points (5/15 Amps) Blinds Any other item						
	b. Furniture (Give per unit cost)	VC Table for 25 persons	1	7	7		
	Chairs for 25 persons	25	7	175			
	c. Split AC – 2 ton (Give per unit cost)	4	7	28			
2C	Generator room (150 sq. feet)	150 sq. feet	7	150 sq. feet			
	1.1.2 Site Preparation Items Bidder to mention the items						
Sub-total (X) = Total Site Preparation Cost of WAN Control Room, VC Room, and Generator Room at DHQ							

Corrigendum No. 2 For MSWAN

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)	
						Per QGR	Total QGR in 5 years
						E= C x D	E= D x 20
A	B	C=A x B	D	E= C x D	E= D x 20		
3	Site preparation of WAN Control Room, Generator Room at SDHQ/BHQ as per the technical and operational requirements given in the RFP. (Please specify cost, make, quantity and quality certification of each sub point separately as given below)						
3A	a. WAN Control Room Size (150 sq. feet) Site Preparation Items (Give per square feet cost) False flooring (Anti Static) False Ceiling POP Plastic Paint Doors Signage Lights Partitioning (glass) Light/Power points (5/15 Amps) Blinds Any other item	150 sq. feet	47	7050 sq. feet			
	b. Furniture (Give per unit cost)	Table(s)	1	47	47		
		Chair(s)	4	47	188		
	c. Window AC – 1.5 ton (Give per unit cost)		1	47	47		
3B	Generator room (36 sq. feet) Site Preparation Items Bidder to mention the items	36 sq. feet	47	1692 sq. feet			
Sub-total (Y) = Total Site Preparation Cost of WAN Control Room and Generator Room at SDHQ/BHQ							

Corrigendum No. 2 For MSWAN

Sr. No.	Description	Size of Room (sq. feet)/No. of Units	No. of Rooms	Total Qty required	Per Sq. Feet Cost or Unit Price (Rs.)	Site Preparation Cost (Rs.)	
						Per QGR	Total QGR in 5 years
						E= C x D	E= D x 20
A	B	C=A x B	D	E= C x D	E= D x 20		
4	Site preparation for horizontal locations (Please specify cost, make, quantity and quality certification of each sub point separately as given below)						
	Bidder to mention the items						
Sub-total (Z) = Total Site Preparation Cost for horizontal locations							

Total Site Preparation Cost

Sr. No.	Description	Total Site Preparation Cost for 5 years	
		In figure	In words
1	Total Site Preparation Cost of WAN Control Room, VC Room, and Generator Room at SHQ [Sub-total (W)]		
2	Total Site Preparation Cost of WAN Control Room, VC Room, and Generator Room at DHQ [Sub-total (X)]		
3	Total Site Preparation Cost of WAN Control Room and Generator Room at SDHQ/BHQ [Sub-total (Y)]		
4	Total Site Preparation Cost for Horizontal locations [Sub-total (Z)]		
Total QGR for SHQ , DHQs, SDHQ/BHQs and Horizontal Locations =			
Sub-Total (A3) = Sub-total (W)+Sub-total (X)+Sub-total (Y)+ Sub-total (Z)			

Format A(4): Summary of Financial Bid

Sr. No.	Description	Total QGR for 5 years (20 QGRs)	
		(in Figures)	(in Words)
1	Total QGR for Vertical Connectivity - Format A(1) Sub-total A (1)		
2	Total QGR for Horizontal Connectivity - Format A(2) Sub-total A (2)		
3	Total QGR for Site Preparation cost - Format A(3) Sub-total A(3)		
Bid Price = Sub-total A(1) + Sub-total A(2) + Sub-total A(3)			

Corrigendum No. 2 For MSWAN

Format B(1)

BOM – Vertical components														
Sr. No.	Item		Quantities			Unit Value for a Quarter Period (Rs.)						Unit QGR (Rs.)		
						Capex			Opex					
			SHQ (a)	DHQ (b)	SDHQ/BHQ (c)	SHQ (d)	DHQ (e)	SDHQ/BHQ (f)	SHQ (g)	DHQ (h)	SDHQ/BHQ (i)	SHQ (j)= (d)+ (g)	DHQ (k)= (e)+ (h)	SDHQ/BHQ (l)= (f) + (i)
1	Core Router		1	7	47									
2	Switch	Core Switch	1	7	47									
		Switch II	1	-	-									
3	Voice	IPEPBX	1	-	-									
		IP Phone Type – 1	1	7	47									
		IP Phone Type – 2	-	-	-									
4	NMS	Network Management	1	-	-									
		Helpdesk	1	-	-									
5	IPS		1	-	-									
6	Firewall		1	-	-									
7	Server (Hardware)	Proxy	1	-	-									
		AAA	1	-	-									
		NMS	1											
		DNS	1											
		Email	1	-	-									
8	Desktop PC		1	7	47									
9	Video Conference Equipment	MCU	1	-	-									
		Video Conferencing End point with 42 inch plasma screen (studio based)	-	-	-									
10	Power backup	UPS	1	7	47									
		Genset	1	7	47									

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11	Passive Components	Fiber	Cable	LS	LS	LS												
			Patch Panel	LS	LS	LS												
			Patch Cord	LS	LS	LS												
		UTP	Cable	LS	LS	LS												
			Patch Panel	LS	LS	LS												
			Patch Cord	LS	LS	LS												
I/O			LS	LS	LS													
12	Infrastructure	AC in PoPs (as per Clause 1.3 of Section-4)		4	14	47												
		Lighting	CFL	POP	40	112	470											
				Genset Room	2	14	94											
		Any other item	POP															
			Genset Room															
		Furniture	Chairs	POP	10	42	188											
			Tables	POP	2	7	47											
		Equipment Grounding/ Earthing provision			1	7	47											
Any other item																		
13	VSAT Equipment for connectivity of remote blocks			-	-	14												
14	Modem			-	AS PER SOLUTION	33												
15	Access Router			-	-	-												
16	Access Switch			-	-	-												
17	Internet Router			1														
18	OFC with laying per meter			LS	LS	LS												
19	Any Leftover Item																	
Note:	The above BOM is indicative only. The complete BOM is the responsibility of the bidder and he will specify the details of the same in his priced/unpriced bid.																	

Format B(2)

BOM – Horizontal connectivity and additional items															
Sr. No.	Item		Quantities			Unit Value for a Quarter Period (Rs.)						Unit QGR (Rs.)			
						Unit Rate(Capex)			Unit Rate(Opex)						
			SHQ (a)	DHQ (b)	SDHQ/BHQ (c)	SHQ (d)	DHQ (e)	SDHQ/BHQ (f)	SHQ (g)	DHQ (h)	SDHQ/BHQ (i)	SHQ (j)= (d)+ (g)	DHQ (k)= (e)+ (h)	SDHQ/BHQ (l)= (f) + (i)	
1	Access Router		10	35	8										
2	Access Switch		20	70	16										
3	Wireless Base Station		1	7	8										
4	Wireless Access point		5	21	8										
5	IP Phone	Type 1	19	21	-										
		Type 2	10	7	-										
6	Video Conferencing End point with 42 inch plasma screen (Studio Based)		3	7	-										
7	Video Conferencing system – Desktop software based		-	-	47										
8	Passive Components	Fiber	Cable	LS	LS	LS									
			Patch Panel	LS	LS	LS									
			Patch Cord	LS	LS	LS									
		UTP	Cable	LS	LS	LS									
			Patch Panel	LS	LS	LS									
			Patch Cord	LS	LS	LS									
I/O	LS	LS	LS												
9	Modem		10	35	8										
10	Antivirus		1	-	-										
11	OFC with laying per meter		LS	LS	LS										
12	Any Leftover Item														
Note:	1.The above BOM is indicative only. The complete BOM is the responsibility of the bidder and he will specify the details of the same in his priced/unpriced bid.														