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Directorate General Defence Purchase
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31 Baishakh 1431

17 May 2024

06.06.0000.215.237.23

AMENDMENTS AGAINST DGDP TENDER NUMBER 215.237.23 DATED 27 MARCH 2024 FOR PROCUREMENT OF DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) EQUIPMENT, QUANTITY-01 SET

References:

- A. Directorate General Defence Purchase tender number 215.237.23 dated 27 March 2024.
 B. Inspectorate of Electronics & Instruments letter number 23.01.901.051.01.055.245.12.05.24 dated 12 May 2024 (Not to all).

1. In light of Reference B, you are requested to make following amendments to the subject tender:

- a. At page D-24 of 37, Serial 49(a) of Annex D to tender

For:

Ser	Nomenclature/Description	Technical Specifications	To be filled by the Principal/Manufacturer
49	<u>General Requirements.</u>		
	a. General	(1) DC power plant (-48 Volt) equipment are required for the Optical Fiber Platform at different sites. (2) The DC power plant will consist of the Rectifier, the Battery and the associated power distribution panels. (3) DC wiring to be done from the assigned DC PDB to the DWDM/OLA equipment. (4) Inverter is used for feeding uninterruptable power to the NMS of the optical transmission system.	

Read:

Ser	Nomenclature/Description	Technical Specifications	To be filled by the Principal/Manufacturer
49	<u>General Requirements.</u>		
	a. General	(1) DC power plant (-48 Volt) equipment are required for the Optical Fiber Platform at different sites. (2) The DC power plant will consist of the Rectifier, the Battery and the associated power distribution panels. (3) DC wiring to be done from the assigned DC PDB to the DWDM/OLA equipment. (4) All types of power cable to be provided from reputed company of local source (5) Associated equipment for connecting the power cable may be supplied from local source.	

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b. At page D-33 of 37, Serial E (Form A) of Annex D to tender

For:

Ser	Name of Item	Country of Origin	Country of Manufacture	Country of Assembly	Quantity	Model/Product Code/part No
E.	Portable Terminal for O&M of DWDM Equipment (LCT)				-	
	Portable Terminals (Laptop Computers) including all the required Hardware and Software					

Read:

Ser	Name of Item	Technical Specification	Quantity	Model/Product Code/part No
E.	Portable Terminal for O&M of DWDM Equipment (LCT)	Country of Origin: USA Country of Manufacture: To be mentioned. Country of Assembly: To be mentioned Processor: Core i7, 13 th Gen or higher, 3 GHz of turbo Boost (minimum). HDD: 512 GB SSD (Minimum). RAM: 16 GB (Minimum). Display: 14" diagonal FHD IPS anti-glare LED-backlit, 250 cd/m, (1920 x 1080). Operation System and Preloaded (Genuine) Software's: Preloaded Microsoft Windows 10 professional 64-bit OEM license and it will be verified from Microsoft website of authentication	Per station 02 Laptops	
	Portable Terminals (Laptop Computers) including all the required Hardware and Software			

2. All other terms and conditions of the subject tender shall remain unchanged.


RAIHAN RAHMAN
 Major
 For Director General

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General Staff Branch, Signals Directorate

Army Headquarters
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Ordnance Directorate

Army Headquarters
Master General of the Ordnance Branch
Inspection and Technical Development Directorate

Inspectorate of Electronics & Instruments
Dhaka Cantonment

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24
07 Baishakh 1431
May 2024

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AMENDMENTS AGAINST DGDP TENDER NUMBER 215.237.23 DATED 27 MARCH 2024 FOR PROCUREMENT OF DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) EQUIPMENT, QUANTITY-01 SET

Reference:

- A. Directorate General Defence Purchase tender number 215.237.23 dated 27 March 2024.
B. Inspectorate of Electronics & Instruments letter number 23.01.901.051.01.055.245.04.05.24 dated 04 May 2024 (Not to all).

1. In light of Reference B, you are requested to make following amendments to the subject tender:

- a. At page C-2 of 6, Serial 14(C) of Annex C to tender

For:

Ser	Terms and Condition as per requirement	Compliance by the Principal/Manufacturer
14	<u>Despatch/Shipment Instruction.</u> c. Trans-shipment: As Applicable.	

Read:

Ser	Terms and Condition as per requirement	Compliance by the Principal/Manufacturer
14	<u>Despatch/Shipment Instruction.</u> c. Trans-shipment: Under single Airway Bill (AWB).	

- b. At page D-3 of 37, Serial 12(f)(13), D-26 of 37, Serial 52(h) of Annex D to tender

For:

Ser	Description	Technical Specification	To be filled up by the supplier/manufacturer
<u>PART-2: TECHNICAL SPECIFICATION</u>			
12.	<u>Equipment Overview.</u>		
	f. Bandwidth transmission efficiency	(13) OLA Backplane/Shelf/Chassis should be same as ROADM Backplane/Shelf/Chassis so that in future 100G Line Card or above, 100G Client Card, 10G Client Card, WSS Card, etc can be inserted. OTDR Function Card must be inserted in OLA system.	
52.	<u>Battery.</u>		
	h. <u>Battery Connection</u>	Battery sets shall be connected to the rectifier through Fuses of adequate capacity which will allow complete disconnection of both of the battery sets during any required O&M function.	

Read:

Ser	Description	Technical Specification	To be filled up by the supplier/ manufacturer
PART-2: TECHNICAL SPECIFICATION			
12.	Equipment Overview.		
	f. Bandwidth transmission efficiency	(13) OLA Backplane/Shelf/Chassis/Rack should be same as ROADM Backplane/Shelf/Chassis/Rack or above, 100G Client Card, 10G Client Card, WSS Card, etc can be inserted. OTDR Function Card must be inserted in OLA system.	
52.	Battery.		
	h. Battery Connection	Battery sets shall be connected to the rectifier through Fuses/breaker adequate capacity which will allow complete disconnection of both of the battery sets during any required O&M function.	

c. At page E-1 of 6, Serial 13 and 14 of Annex E to tender

For:

Ser	Terms & Conditions	To be filled by Manufacture/ Principal
13.	Certificates. Following original certificates must be submitted by the manufacturer along with the offer for technical vetting of IE&I : c. Authorization certificate by the manufacturer to the local agent.	
14.	Stage Inspection (SI)	
	h. Stage Inspection (SI) criteria will be given as per contract before SI. In case the SI cannot be conducted for any unavoidable circumstances, then Pre-Shipment Inspection will be conducted.	

Read:

Ser	Terms & Conditions	To be filled by Manufacture/ Principal
13.	Certificates. Following original certificates must be submitted by the manufacturer along with the offer for technical vetting of IE&I : c. Authorization certificate by the manufacturer to the Principal/ local agent.	
14.	Stage Inspection (SI)	
	h. Stage Inspection (SI) criteria will be given before SI. In case the SI cannot be conducted for any unavoidable circumstances, then a Video Tele Conference (VTC) will be held from manufacturer premises where aforementioned requirements will be shown via VTC.	

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d. At page D-33 of 37, Serial A(5) and E (Form A) of Annex D to tender

For:

Ser	Name of Item	Country of Origin	Country of Manufacture	Country of Assembly	Quantity	Model/Product Code/part No
A.	5. E1 Over IP (optional)				22 lots (As per site requirement)	
E.	Portable Terminal for O&M of DWDM Equipment (LCT)				-	
	Portable Terminals (Laptop Computers) including all the required Hardware and Software					

Read:

Ser	Name of Item	Country of Origin	Country of Manufacture	Country of Assembly	Quantity	Model/Product Code/part No
A.	5. E1 Over IP (optional)				12 lots (As per site requirement)	
E.	Portable Terminal for O&M of DWDM Equipment (LCT)				Per station 02 Laptops	
	Portable Terminals (Laptop Computers) including all the required Hardware and Software					

e. At page E-1 of 6, Serial 13(c) of Annex E to tender

For:

Ser	Terms & Conditions	To be filled by Manufacture/Principal
13.	Certificates. Following original certificates must be submitted by the manufacturer along with the offer for technical vetting of IE&I : c. Authorization certificate by the manufacturer to the local agent.	

Read:

Ser	Terms & Conditions	To be filled by Manufacture/Principal
13.	Certificates. Following original certificates must be submitted by the manufacturer along with the offer for technical vetting of IE&I : c. Authorization certificate by the manufacturer to the principal/ local agent.	

- f. At page F-1 of 1, Serial 6 of Annex F to tender

For:

6. Supplier participating in the contract should be enlisted in Bangladesh Telecommunication Regulatory Commission (BTRC).

Read:

6. Supplier participating in the contract **must be submitted NOC** in Bangladesh Telecommunication Regulatory Commission (BTRC).

- g. At page D-36 of 37, Form C of Annex D to tender

For:

Ser	Name of the Item	Quantity

Read:

Ser	Name of the Item	Quantity
1.	Router	06
2.	16XE-1 over IP Converter	12
3.	Any Other Items	-

- h. You are requested to replace Appx 3 of Annex D of the tender by newly attached as Appx 3 of this letter.

- j. **New include.** You are requested to newly include following:

(1) "Multiline protection to be available in the topology Map" - To be added as note of Appx 4 of Annex D.

(2) Optical fiber loss table to be added as Appx 5 to Annex D which is attached to this letter.

2. All other terms and conditions of the subject tender shall remain unchanged.


 RAIHAN RAHMAN
 Major
 For Director General

Enclosure:

- A. Appx 3-02 (Two) Pages.
 B. Appx 5-01 (One) Page.

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APPX 3 TO

ANNEX D TO

DGDP TENDER NUMBER 215.237.23

DATED: 67 MAY 2024

OPTICAL FIBER DISTANCE MATRIX

SER NO	STATION A	STATION B	DISTANCE (KM)	REMARKS
1.	DHAKA CANTONMENT	MIRPUR CANTONMENT	15	
2.	MIRPUR CANTONMENT	TONGI PGCB	104	
3.	TONGI PGCB	ASHUGONJ PGCB	72	
4.	ASHUGONJ PGCB	CUMILLA NORTH PGCB	82	
5.	CUMILLA NORTH PGCB	FENI PGCB	71	
6.	FENI PGCB	HATHAZARI PGCB	95	
7.	HATHAZARI PGCB	DOHAZARI PGCB	61	
8.	MATARBARI PGCB	DOHAZARI PGCB	70	
9.	COX'BAZAR PGCB	MATARBARI PGCB	59	
10.	COX'BAZAR PGCB	COX'S BAZAR BSCCL	07	
11.	COX'BAZAR PGCB	RAMU CANTONMENT	24	
12.	SIRAJGONJ PGCB	SREEPUR PGCB	75	
13.	SIRAJGONJ PGCB	BOGURA PGCB	77	
14.	BOGURA PGCB	BOGURA CANTONMENT	12	
15.	BOGURA CANTONMENT	BOGURA PGCB	13.3	PATH-1
16.	BOGURA CANTONMENT	BOGURA PGCB	13.3	PATH-2
17.	SIRAJGANJ PGCB	SREEPUR PGCB	19.8	PATH-1
18.	SREEPUR PGCB	ASHUGANJ PGCB	80	PATH-1
19.	TONGI PGCB	DHAKA CANTONMENT	40	PATH-1
20.	CUMILLA NORTH PGCB	CUMILLA CANTONMENT	11.1	PATH-1
21.	CUMILLA NORTH PGCB	CUMILLA CANTONMENT	11.2	PATH-2
22.	HATHAZARI PGCB	CHITTAGONG CANTONMENT	20	PATH-1
23.	HATHAZARI PGCB	CHITTAGONG CANTONMENT	20	PATH-2
24.	COX'S BAZAR	RAMU CANTONMENT	13.6	PATH-1
25.	COX'S BAZAR	RAMU CANTONMENT	13.6	PATH-2
26.	BOGURA CANTONMENT	BOGURA PGCB	02	
27.	SIRAJGANJ PGCB	BOGURA CANTONMENT	85	
28.	ASHUGONJ PGCB	GHORASHAL PGCB	45	
29.	GHORASHAL PGCB	TONGI PGCB	27	
30.	KALIAKOIR PGCB	TONGI PGCB	44	
31.	KALIAKOIR PGCB	AMINBAZAR PGCB	50	
32.	SIRAJGONJ PGCB	SREEPUR PGCB	75	
33.	SREEPUR PGCB	ASHUGONJ PGCB	80	
34.	CUMILLA NORTH PGCB	CUMILLA CANTONMENT	08	
35.	COX'SBAZAR SMW4	RAMU CANTONMENT	24	
36.	TONGI PGCB	UTTARA	26	
37.	UTTARA	GULSHAN	5.4	
38.	GULSHAN	DHAKA CANTONMENT	8.6	
39.	ASHUGONJ PGCB	BBARIA MW BTCL	30	
40.	BBARIA MW BTCL	CUMILLA CANTONMENT	75	

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SER NO	STATION A	STATION B	DISTANCE (KM)	REMARKS
41.	CUMILLA NORTH PGCB	DAUDKANDI BTCL	45	
42.	DAUDKANDI BTCL	DHAKA CANTONMENT	65	
43.	PALASHBARI	RANGPUR	54	
44.	MOHASTHANGARH	PALASHBARI	38	
45.	BOGRA 132	MOHASTHANGARH 132	52	
46.	BOGRA 230	BOGRA 132	02	
47.	SIRAJGANJ 230	BOGRA 230	75	
48.	SIRAJGANJ 230	BAGHABARI	39	
49.	BAGHABARI PS	BAGHABARI	01	
50.	SHAHJADPUR	BAGHABARI PS	06	
51.	PABNA	SHAHJADPUR	43	
52.	ISHWARDI	PABNA	19	
53.	ISHWARDI	BHERAMARA 132	14	
54.	BHERAMARA 132	BOTTAIL (KUSHTIA)	25	
55.	BOTTAIL (KUSHTIA)	JHENAIDAH 132	45	
56.	JASHORE 132	JHENAIDAH 132	50	
57.	NOAPARA	JASHORE 132	29	
58.	KHULNA CENTRAL	NOAPARA	24	
59.	KHULNA CENTRAL	NWPGCL	02	
60.	NWPGCL	GOALPARA	01	
61.	GOALPARA	BAGERHAT	45	
62.	BAGERHAT	BHANDARIA	40	
63.	BARISAL 132	BHANDARIA	50	
64.	BARISAL 132	PATUAKHALI	40	
65.	SIRAJGONG 230	ASHUGANJ	150	
66.	ASHUGANJ NCR	GHORASAL PS	45	
67.	GHORASAL PS	TONGI 230	27	
68.	AMIN BAZAR	MIRPUR	08	
69.	KISHOREGANJ	ASHUGANJ NCR	54	
70.	MYMENSINGH	KISHOREGANJ	61	
71.	ASHUGANJ NCR	CUMILLA (NORTH)	82	
72.	CUMILLA (NORTH)	CUMILLA (SOUTH)	13	
73.	CUMILLA (SOUTH)	CHOUDDOGRAM	29	
74.	FENI	CHOUDDOGRAM	28	
75.	FENI	BAROIHAT	25	
76.	HATHAZARI	BAROIHAT	70	
77.	HATHAZARI	MADUNAGHAT	11	
78.	MADUNAGHAT	SIKALBAHA	18	
79.	SIKALBAHA	DOHAZARI	32	

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APPX 5 TO

ANNEX D TO

DGDP TENDER NUMBER 215.237.23

DATED: 07 MAY 2024

OPTICAL FIBER LOSS TABLE

Sr No	Station 1	Station 2	Distance in KM	OFC Loss in dB	Loss Margin in dB	Total Loss in dB	Owner of OFC
1	2	3	4	5	6	7 (5+6)	8
1	Dhaka Cantonment	Mirpur Cantonment	15	5	3	8	BD ARMY
2	Mirpur Cantonment	Tongi PGCB	104	31	3	34	PGCB
3	Tongi PGCB	Ashugonj PGCB	72	22	3	25	PGCB
4	Ashugonj PGCB	Cumilla North PGCB	82	25	3	28	PGCB
5	Cumilla North PGCB	Cumilla Cantonment	8	3	3	6	BTCL
6	Cumilla North PGCB	Feni PGCB	71	22	3	25	PGCB
7	Feni PGCB	Hathazari PGCB	95	29	3	32	PGCB
8	Chittagong Cantonment	Hathazari PGCB	20	6	3	9	BTCL
9	Hathazari PGCB	Dohazari PGCB	61	18	3	21	PGCB
10	Matarbari PGCB	Dohazari PGCB	70	21	3	24	PGCB
11	Cox'bazar PGCB	Matarbari PGCB	59	19	3	22	PGCB
12	Cox'bazar PGCB	Cox's bazar BSCCL	7	3	3	6	BTCL
13	Cox'bazar PGCB	Ramu Cantonment	24	8	3	11	BTCL
14	Ashugonj PGCB	Sreepur PGCB	80	25	3	28	PGCB
15	Sirajgonj PGCB	Sreepur PGCB	75	23	3	26	PGCB
16	Sirajgonj PGCB	Bogura PGCB	77	24	3	27	PGCB
17	Bogura PGCB	Bogura Cantonment	12	4	3	7	BTCL
18	Dhaka Cantonment	Tongi PGCB	40	17	3	20	BTCL

Any path not included in above list should follow the below criteria:

- @1310 Nanometers, the attenuation shall be no greater than 0.35dB per kilometer.
- @1550 Nanometers, the attenuation shall be no greater than 0.25dB per kilometer.
- Average splice loss at each location will not exceed 0.30dB unidirectional or 0.15dB bidirectional.
- Average insertion loss will not exceed 0.65dB per termination.

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১৩ Baishakh 1431

৬৬ May 2024

06.06.0000.215.237.23

RESCHEDULING OF OPENING DATE AGAINST DGDP TENDER NUMBER 215.237.23 DATED 27 MARCH 2024 FOR PROCUREMENT OF DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) EQUIPMENT, QUANTITY-01 SET

Reference:

A. Inspectorate of Electronics & Instruments letter number 23.01.901.051.01.055.245.04.05.24 dated 04 May 2024 (Not to all).

In light of above reference, the opening date of the subject tender is rescheduled on **19 May 2024** instead of **08 May 2024**.


RAIHAN RAHMAN
Major
For Director General

Distribution:

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Ordnance Directorate

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17 April 2024


06.06.0000.215.237.23

AMENDMENTS AGAINST DGDP TENDER NUMBER 215.237.23 DATED 27 MARCH 2024 FOR PROCUREMENT OF DENSE WAVELENGTH DIVISION MULTIPLEXING (DWDM) EQUIPMENT, QUANTITY-01 SET

References:

- A. Directorate General Defence Purchase tender number 215.237.23 dated 27 March 2024.
B. Inspectorate of Electronics & Instruments letter number 23.01.901.051.01.055.245.15.04.24 dated 15 April 2024 (Not to all).

1. In light of Reference B, you are requested to make following amendments to the subject tender:
- a. At page C-3 of 6, Serial 15 (a) of Annex C to tender
For. Phase-1. 70% may be paid on issuance of shipment clearance.
Read. Phase-1. 70% may be paid on receipt of shipping document.
- b. At page F-1 of 1, Serial 5 (a) of Annex F to tender
For. Phase-1. 70% may be paid on issuance of shipment clearance.
Read. Phase-1. 70% may be paid on receipt of shipping document.
2. All other terms and conditions of the subject tender shall remain unchanged.


RAJHAN RAHMAN
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Master General of the Ordnance Branch, Inspection and Technical Development Directorate
Inspectorate of Electronics & Instruments, Dhaka Cantonment

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