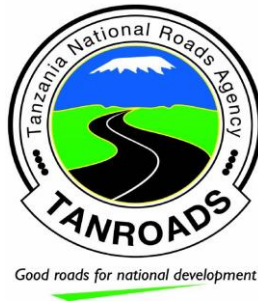


THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION



**BALANCE WORKS FOR CONSTRUCTION OF TERMINAL BUILDING AT SONGWE
AIRPORT**

TENDER NO. AE/001/2019-20/HQ/W/44

Addendum No. 1 to the Tender Document

Date: 25th August 2020

Addendum No. 1 to the Tendering Documents is issued in accordance with Instructions to Tenders (ITT), Clause 9.1 to effect changes to the various sections of Tendering Documents

Section VIII: Bill of Quantities (BOQ)

Item No. 1

Replace

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.0	ELECTRICAL WORKS				
	Supply, install, test and commission the following to the satisfaction of the engineer				
5.1	MAIN DISTRIBUTION SYSTEM				
5.1.1	1000 KVA, 33000/400V, 3 Phase, 50Hz, Outdoor Transformer to IEEE regulations including earthing system , enclosure or fencing of the substation.	Nr	1		
5.1.2	33kv fuse isolators and all associated accessories including terminations	Set	1		
5.1.3	33kv Lightning arrester and all associated accessories including terminations	Set	1		
5.1.4	High voltage Cable, XLPE insulated copper, 33KV three core 70 sqmm complete with termination accessories	m	50		
5.1.5	800kVA (prime power), 400V, 3 phase , 50Hz, 1500RPM diesel generator complete with changeover switch and daily fuel tank to run 8 hours	Nr	1		
5.1.6	Main prefabricated LV switch gear panel 8-Way with 630A MCCB incomer, 3Nos 160A TPN, 5Nos 100A, TPN MCCBs outgoing, short circuit current 100kA, surge protection, measuring instruments and all indicators as shown on Drg no. ES-01B, MEMSHIELD make	Nr	1		
5.1.7	Main prefabricated 4-way LV switch gear panel with 4P 1600A MCCB incomer, 1No. 1200A- 4P, 1No. 630A-4P and 2 nos 250A-4P MCCBs outgoing, short circuit current 100kA, Surge protection, measuring instruments and all indicators, MEMSHIELD make, as shown on Drg no. ES-01A (At the Power House)	Nr	1		
5.1.8	8 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBG-S) outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.9	8 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBF-S) with outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.10	6 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBG-L) with outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.11	6 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBF-L) with outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.12	12 Ways , 160A TPN MCCB Incomer, Distribution Board (DBB) with outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.13	12 Ways , 160A TPN MCCB Incomer, Distribution Board (DBE) with outgoing as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.14	12 Ways, 160A TPN MCCB Incomer, Distribution Board (DBA)	Nr	1		
5.1.15	4C x 300mm ² PVC/XLPE/SWA/PVC, Copper cable	m	920		
5.1.16	4C x 50mm ² PVC/XLPE/SWA/PVC, Copper cable	m	50		
5.1.17	4C x 35mm ² PVC/XLPE/SWA/PVC, Copper cable	m	25		
5.1.18	4C x 25mm ² PVC/XLPE/SWA/PVC, Copper cable	m	100		
5.1.19	4C x 70mm ² PVC/XLPE/SWA/PVC, Copper Cable	m	70		
5.1.20	4cx 10.0mm ² PVC/XLPE/SWA/PVC, Copper cables	m	100		
5.1.21	LV Cable from Transformer to the Generator, 1C x 300mm PVC/XLPE/SWA/PVC, Copper cable (4 runs = 4x55)	m	220		
5.1.22	50mm diameter heavy gauge PVC pipe	m	220		
5.1.23	100mm diameter heavy gauge PVC pipe	m	500		
5.1.24	Earthing Sytems of the main power supply as per IET 18th 2018 Edtion	Item	2		
Total Carried Forward					

With

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.0	ELECTRICAL WORKS				
	Supply, Install, test and commission the following to the satisfaction of the engineer				
5.1	MAIN DISTRIBUTION SYSTEM				
5.1.1	1000 KVA, 33000/400V, 3 Phase, 50Hz, Outdoor Transformer to IEEE regulations including earthing system , enclosure or fencing of the substation.	Nr	1		
5.1.2	33kv fuse isolators and all associated accessories including terminations	Set	1		
5.1.3	33kv Lightning arrester and all associated accessories including terminations	Set	1		
5.1.4	High voltage Cable, XLPE insulated copper, 33KV three core 70 sqmm complete with termination accessories	m	50		
5.1.5	800kVA (prime power), 400V, 3 phase , 50Hz, 1500RPM diesel generator complete with changeover switch and daily fuel tank to run 8 hours	Nr	1		
5.1.6	Main prefabricated LV switch gear panel 8-Way with 630A MCCB incomer, 3Nos 160A TPN, 5Nos 100A, TPN MCCBs outgoings, short circuit current 100kA, surge protection, measuring instruments and all indicators as shown on Drg no. ES-01B, MEMSHIELD make	Nr	1		
5.1.7	Main prefabricated 4-way LV switch gear panel with 4P 1600A MCCB incomer, 1No. 1200A- 4P, 1No. 630A-4P and 2 nos 250A-4P MCCBs outgoings, short circuit current 100kA, Surge protection, measuring instruments and all indicators, MEMSHIELD make, as shown on Drg no. ES-01A (At the Power House)	Nr	1		
5.1.8	8 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBG-S) outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.9	8 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBF-S) with outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.10	6 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBG-L) with outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.11	6 Ways, 100A/300mA RCD TPN Incomer, Distribution Board (DBF-L) with outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.12	12 Ways , 160A TPN MCCB Incomer, Distribution Board (DBB) with outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.13	12 Ways , 160A TPN MCCB Incomer, Distribution Board (DBE) with outgoings as per drawing no. ES-01B, MEMSHIELD make	Nr	1		
5.1.14	12 Ways, 160A TPN MCCB Incomer, Distribution Board (DBA)	Nr	1		
5.1.15	4C x 300mm ² PVC/XLPE/SWA/PVC, Copper cable	m	920		
5.1.16	[4C x 50mm ² + 1C x 25mm ²]PVC/XLPE/SWA/PVC, Copper Cable	m	50		
5.1.17	[4C x 35mm ² +1C x 25mm ²]PVC/XLPE/SWA/PVC, Copper Cable	m	25		
5.1.18	[4C x 25mm ² +1C x 16mm ²]PVC/XLPE/SWA/PVC, Copper Cable	m	100		
5.1.19	[4C x 70mm ² +1C x 35mm ²]PVC/XLPE/SWA/PVC, Copper Cable	m	70		
5.1.20	[4cx 10.0mm ² +1C x 6mm ²]PVC/XLPE/SWA/PVC, Copper Cables	m	100		
5.1.21	LV Cable from Transformer to the Generator, 1C x 300mm PVC/XLPE/SWA/PVC, Copper cable (4 runs = 4x55)	m	220		
5.1.22	50mm diameter heavy gauge PVC pipe	m	220		
5.1.23	100mm diameter heavy gauge PVC pipe	m	500		
5.1.24	Earthing Sytems of the main power supply as per IET 18th 2018 Edtion	Item	2		
Total Carried Forward					

Item No. 2 (Page 133)

Delete Item No. 2 of appearing in Section 2.6. Availability of Essential Equipment.