


KIMUKA 400/220kV S/S

KEY SINGLE LINE DIAGRAM

PREPARED BY:

موندکو ایران

Monenco Iran





D	INTERNAL REVISION	KBN	ATO	DHF	JVN	01.04.2021	DESIGNED BY	KBN	SIGNATURE	PROJECT:	DWG. TITLE:	CLIENT:
C	FOR FINAL APPROVAL	KBN	ATO	DHF	JVN	11.21.2020	DRAWN BY	AZM				
B	ACC. TO CLIENT COMMENTS DATE: 09.19.2020	KBN	ATO	DHF	JVN	11.07.2020	CHECKED BY	ATO				
A	ACC. TO CLIENT COMMENTS DATE: 09.14.2020	KBN	ATO	DHF	JVN	09.15.2020	APPROVED BY	JVN				
0	FIRST ISSUE	KBN	ATO	DHF	JVN	09.01.2020	DATE:	09.01.2020				
REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:					

KIMUKA 400/220kV S/S

DWG. NO.: MT-TLD-KETCO-5393-BD-02-PG-033

SHEET: 1 OF: 3

**KETRACO**
Kenya Electricity Transmission Co. Ltd.


**THE WORLD BANK**
IBRD · IDA | WORLD BANK GROUP

مونenco ایران
Monenco Iran



1	2	3	4	5	6	7	8	
A								A
B								B
C								C
D								D
E								E
F								F

PREPARED BY:



موندکو ایران
Monenco Iran

D	INTERNAL REVISION	KBN	ATO	DHF	JVN	01.04.2021	DESIGNED BY	KBN	SIGNATURE
C	FOR FINAL APPROVAL	KBN	ATO	DHF	JVN	11.21.2020	DRAWN BY	AZM	
B	ACC. TO CLIENT COMMENTS DATE: 09.19.2020	KBN	ATO	DHF	JVN	11.07.2020	CHECKED BY	ATO	
A	ACC. TO CLIENT COMMENTS DATE: 09.14.2020	KBN	ATO	DHF	JVN	09.15.2020	APPROVED BY	JVN	
0	FIRST ISSUE	KBN	ATO	DHF	JVN	09.01.2020	DATE:	09.01.2020	
REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:		

PROJECT:

KIMUKA 400/220kV S/S


DWG. TITLE:

LIST OF DRAWINGS


DWG. NO.: MT-TLD-KETCO-5393-BD-02-PG-033

SHEET: 2 OF: 3

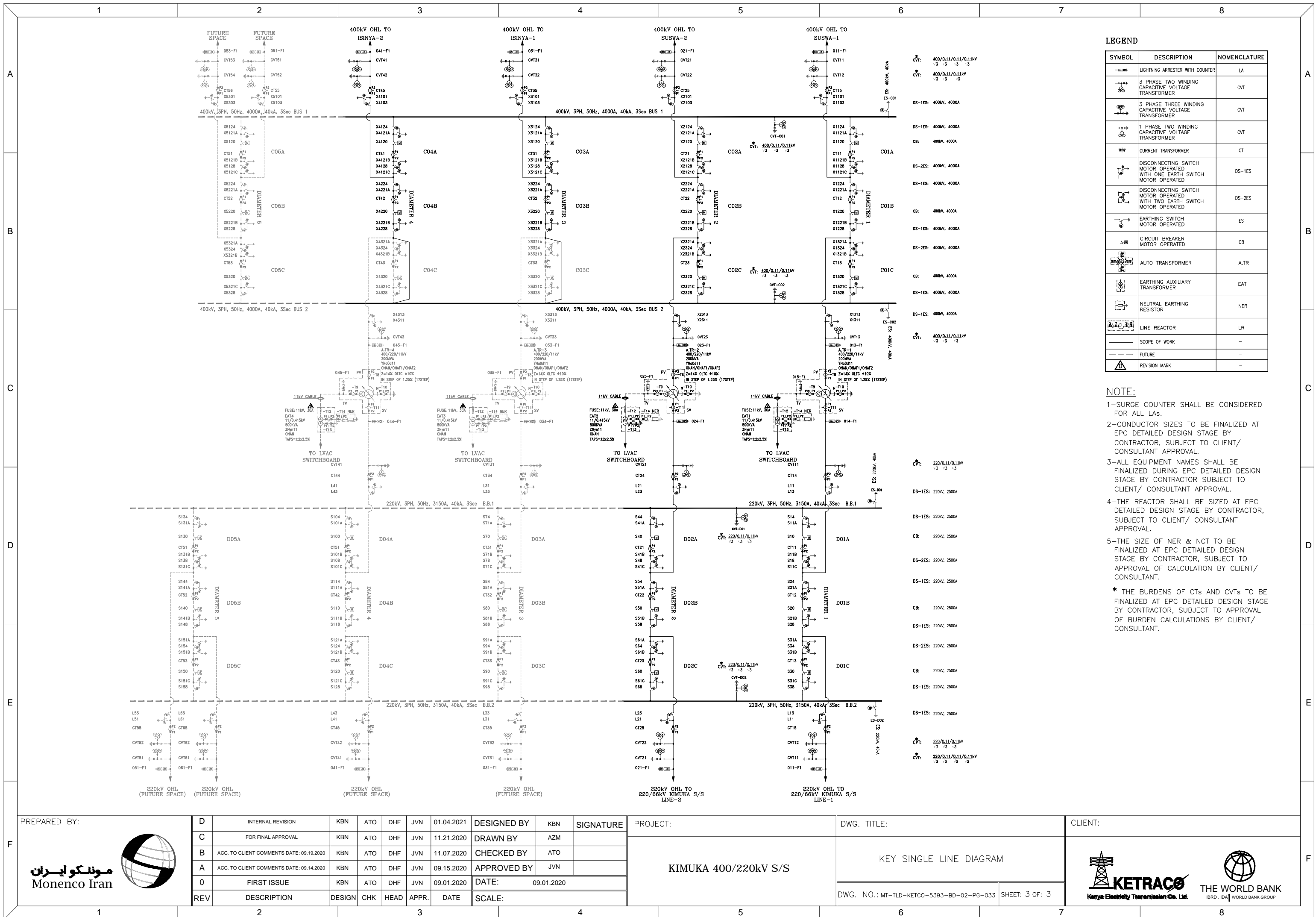
CLIENT:



Kenya Electricity Transmission Co. Ltd.



THE WORLD BANK
IBRD · IDA | WORLD BANK GROUP



LEGEND

SYMBOL	DESCRIPTION	NOMENCLATURE
	LIGHTNING ARRESTER WITH COUNTER	LA
	3 PHASE TWO WINDING CAPACITIVE VOLTAGE TRANSFORMER	CVT
	3 PHASE THREE WINDING CAPACITIVE VOLTAGE TRANSFORMER	CVT
	1 PHASE TWO WINDING CAPACITIVE VOLTAGE TRANSFORMER	CVT
	CURRENT TRANSFORMER	CT
	DISCONNECTING SWITCH MOTOR OPERATED WITH ONE EARTH SWITCH MOTOR OPERATED	DS-1ES
	DISCONNECTING SWITCH MOTOR OPERATED WITH TWO EARTH SWITCH MOTOR OPERATED	DS-2ES
	EARTHING SWITCH MOTOR OPERATED	ES
	CIRCUIT BREAKER MOTOR OPERATED	CB
	AUTO TRANSFORMER	A.TR
	EARTHING AUXILIARY TRANSFORMER	EAT
	NEUTRAL EARTHING RESISTOR	NER
	LINE REACTOR	LR
	SCOPE OF WORK	-
	FUTURE	-
	REVISION MARK	-

NOTE:

- 1-SURGE COUNTER SHALL BE CONSIDERED FOR ALL LAs.
 - 2-CONDUCTOR SIZES TO BE FINALIZED AT EPC DETAILED DESIGN STAGE BY CONTRACTOR, SUBJECT TO CLIENT/ CONSULTANT APPROVAL.
 - 3-ALL EQUIPMENT NAMES SHALL BE FINALIZED DURING EPC DETAILED DESIGN STAGE BY CONTRACTOR SUBJECT TO CLIENT/ CONSULTANT APPROVAL.
 - 4-THE REACTOR SHALL BE SIZED AT EPC DETAILED DESIGN STAGE BY CONTRACTOR, SUBJECT TO CLIENT/ CONSULTANT APPROVAL.
 - 5-THE SIZE OF NER & NCT TO BE FINALIZED AT EPC DETAILED DESIGN STAGE BY CONTRACTOR, SUBJECT TO APPROVAL OF BURDEN CALCULATIONS BY CLIENT/ CONSULTANT.
- * THE BURDENS OF CTs AND CVTs TO BE FINALIZED AT EPC DETAILED DESIGN STAGE BY CONTRACTOR, SUBJECT TO APPROVAL OF BURDEN CALCULATIONS BY CLIENT/ CONSULTANT.

PREPARED BY:

مونenco ایران
Monenco Iran



D	INTERNAL REVISION	KBN	ATO	DHF	JVN	01.04.2021	DESIGNED BY	KBN	SIGNATURE
C	FOR FINAL APPROVAL	KBN	ATO	DHF	JVN	11.21.2020	DRAWN BY	AZM	
B	ACC. TO CLIENT COMMENTS DATE: 09.19.2020	KBN	ATO	DHF	JVN	11.07.2020	CHECKED BY	ATO	
A	ACC. TO CLIENT COMMENTS DATE: 09.14.2020	KBN	ATO	DHF	JVN	09.15.2020	APPROVED BY	JVN	
0	FIRST ISSUE	KBN	ATO	DHF	JVN	09.01.2020	DATE:	09.01.2020	
REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:		

PROJECT:

KIMUKA 400/220kV S/S

DWG. TITLE:

KEY SINGLE LINE DIAGRAM

CLIENT:



DWG. NO.: MT-TLD-KETCO-5393-BD-02-PG-033 SHEET: 3 OF: 3