



# “SAFETY RANKING OF DISCOS & TCN IN THE POWER SECTOR”

## APRIL 2018 RANKING

*at the*

**Honourable Minister of Power, Works & Housing’s  
Monthly Sectoral Meeting with Operators of The Power Sector**

***on Monday, 14<sup>th</sup> May, 2018***

***Venue: TCN WORKS CENTRE, NUMAN ROAD, YOLA***

***Host: Yola Electricity Distribution Company***

*by*

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Managing Director/CEO &  
Chief Electrical Inspector of the Federation**

***Many of the accidents that occur in the power industry can be attributed to these major factors:***

***(i) System Protection Equipment Failures;***

***(ii) In some cases, total absence of protection devices.***

***(iii) Poor Terminations, poor maintenance of Ageing Networks, Right-of-way issues.***

***(iv) Poor Response to Monitored Networks & use of substandard materials.***

***(v) Non adherence to safety rules, and regulations .***

***(vi) Inadequate knowledge and Ignorance on the part of operators/consumers/public.***

***(vii) Vandalism***

**Operators of the Power Sector to address these factors urgently.**



# NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



## RANKING CRITERIA

DESCRIPTION	EVENT	SCORES
I. TOTAL ACCIDENTS	NOT SCORED	NOT SCORED
II. NO. OF FATALITIES	0	40
III. NO. OF MAJOR INJURIES	0	25
IV. NO. OF BAD NETWORKS RESOLVED	>9	25
V. REPORTING COMPLIANCE	4	10
		100

Fatalities (Deaths)	
No. of Fatalities	Scores
0	40
1 - 2	32
3 - 4	24
5 - 6	16
7 - 8	8
9 & Above	0

Major Injuries	
No. of Persons with Major Injuries	Scores
0	25
1 - 2	20
3 - 4	15
5 - 6	10
7 - 8	5
9 & Above	0

NETWORK RESOLVED	
No. Resolved	Scores
9 & Above	25
7 - 8	20
5 - 6	15
3 - 4	10
1 - 2	5
0	0

Response	Scores
4	10
3	8
2	6
1	4
0	0

2015 BASELINE STUDY:  
Average Deaths/ month = 9.5 (10)

2015 BASELINE STUDY:  
Not Available

2015 BASELINE STUDY:  
Average/ month = 7.5 (8)

Criterion for Network Monitored/Resolved to be revised upwards



# NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



**RAW DATA**

**MONTH: APRIL 2018**

**WEIGHTED SCORE**

S/No.	DISCO	TOTAL ACCIDENTS WITH DEATHS	TOTAL NO. OF DEATHS [STAFF & 3RD PARTY]	NO. OF MAJOR INJURIES	NO. OF BAD NETWORKS RESOLVED BY DISCO / TCN	REPORTING COMPLIANCE
1	ABUJA	1	2	0	1	4
2	BENIN	0	0	0	17	4
3	EKO	0	0	0	0	4
4	ENUGU	0	0	0	1	4
5	IBADAN	3	3	0	5	4
6	IKEJA	0	0	2	55	4
7	JOS	0	0	0	2	4
8	KADUNA	1	1	0	9	4
9	KANO	2	2	2	10	4
10	PORT HARCOURT	0	0	0	14	4
11	YOLA	1	1	0	12	4
12	TCN	0	0	0	0	4
<b>TOTAL</b>		<b>8</b>	<b>9</b>	<b>4</b>	<b>126</b>	

DEATHS [STAFF & 3RD PARTY]	MAJOR INJURIES	BAD NETWORKS RESOLVED	REPORTING COMPLIANCE	TOTAL	RANKING
32	25	5	10	72	8
40	25	25	10	100	1
40	25	0	10	75	6
40	25	5	10	80	5
24	25	15	10	74	7
40	20	25	10	95	2
40	25	5	10	80	5
32	25	25	10	92	3
32	20	25	10	87	4
40	25	25	10	100	1
32	25	25	10	92	3
40	25	0	10	75	6

**Note: Discos should rectify defective networks reported to them by NEMSA as a priority. Notification by Discos to NEMSA for verification should be weekly, rather than waiting till end of the month.**



# NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



## DISCOS & TCN RANKING TREND IN 2018

S/N o.	DISCO	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	YTD
1	ABUJA	1	4	2	8									6
2	BENIN	5	3	3	1									5
3	EKO	1	1	3	6									4
4	ENUGU	1	3	1	5									3
5	IBADAN	8	2	1	7									7
6	IKEJA	2	4	1	2									2
7	JOS	6	1	3	5									6
8	KADUNA	1	1	6	3									4
9	KANO	3	1	4	4									5
10	PORT HARCOURT	4	2	1	1									1
11	YOLA	1	3	1	3									1
12	TCN	7	5	5	6									8



# NIGERIAN ELECTRICITY MANAGEMENT SERVICES AGENCY (NEMSA)



## YEAR 2018 CUMULATIVE STATISTICS

MONTH APRIL 2018	TOTAL NO. OF ACCIDENTS WITH FATALITIES	TOTAL NO. OF FATALITIES [STAFF & 3RD PARTY]		NO. OF ACCIDENTS WITH ONLY INJURIES	NO. OF PERSONS INJURED		OTHER NON-DISCO/TCN ELECTRICAL DEATHS	NO. OF EXPLOSIONS / FIRES	NO. OF VEHICULAR ACCIDENTS	NO. OF ENVIRONMENTAL ACCIDENTS	TOTAL LOST MAN-HOURS	NO. OF BAD NETWORKS REPORTED FOR THE MONTH	YEAR-TO-DATE NO. OF BAD NETWORKS REPORTED	YTD NO. OF BAD NETWORKS RESOLVED BY DISCO / TCN	RESPONSE TO NEMSA REPORTS IN WEEKS
		STAFF	3 <sup>RD</sup> PARTY		STAFF	3 <sup>RD</sup> PARTY									
ABUJA	1	0	2	3	2	3	1						0	77	
BENIN	5	1	4	0	0	0	0						211	62	
EKO	1	0	1	0	0	0	0		0				53	33	
ENUGU	1	1	0	0	0	0	0						106	74	
IBADAN	4	0	7	1	0	2	0						51	31	
IKEJA	0	0	0	6	6	0	0		3				974	380	
JOS	4	2	2	1	1	0	1						406	91	
KADUNA	4	1	3	1	0	5	0						67	56	
KANO	5	1	4	3	1	2	0						44	44	
PORT HARCOURT	0	0	0	0	0	0	0						75	40	
YOLA	2	1	1	0	0	0	4						122	42	
TCN	0	0	0	0	0	0	0						0	0	
<b>YEAR TOTAL</b>	<b>27</b>	<b>7</b>	<b>24</b>	<b>15</b>	<b>10</b>	<b>12</b>	<b>6</b>		<b>3</b>				<b>2109</b>	<b>930</b>	



## Operators of the Power Sector to note: Zero target for Electrocutions nationwide.

**Discos are encouraged to report domestic electrocutions not directly connected with their networks, for information only. This will not count against their ranking.**

***Discos to intensify efforts at:***

***(i) revamping/calibrating their Protection schemes & equipment***

***(ii) rectifying their defective networks to prevent electrical accidents and reduce technical losses.***

***[iii] educating the general public on the need for extreme caution with using electricity!***

## Unsafe Installations in Discos Networks



Unsafe construction with different lines on same pole, and different line construction types [Odogunyan, Ikeja Electric]



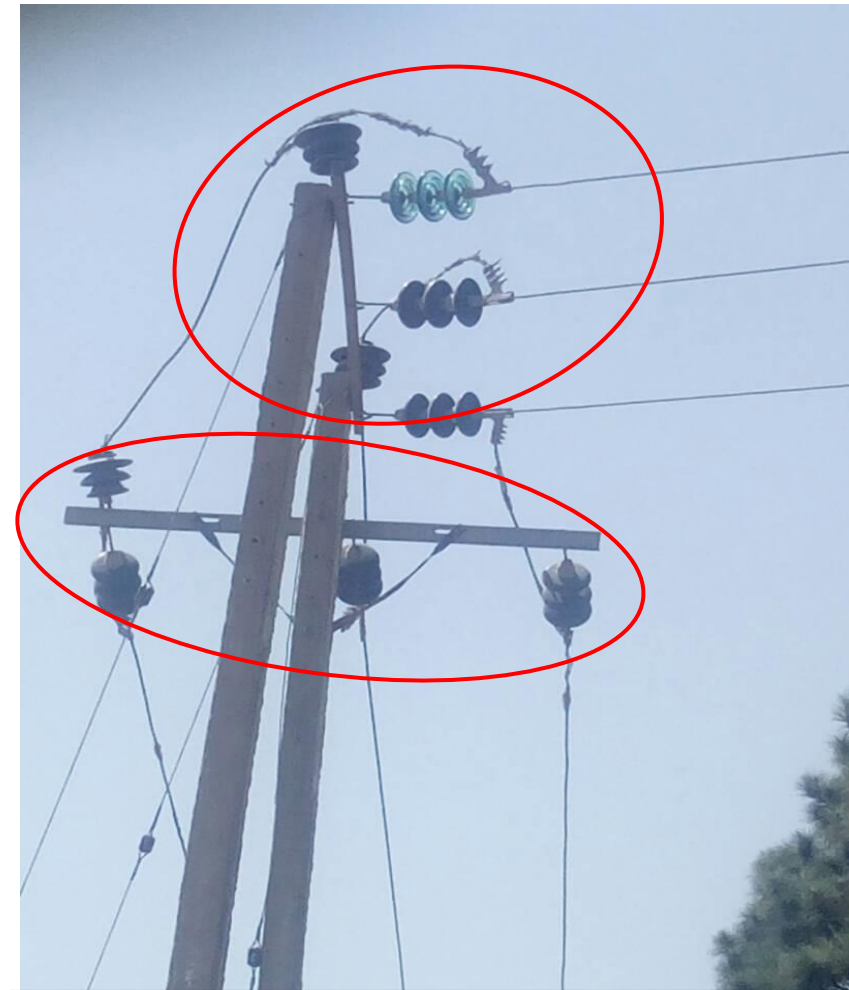
Pieces of concrete used to support conductors and multiple joints on HT lines at Opebi Road by Osho Street (Link Rd) Junction, Ikeja. [Ikeja Electric]



## Unsafe Installations in Discos Networks



Unsafe construction with inadequate clearances and poor stability. [Jos Disco]



Unsafe and unstable construction that may lead to premature failure and accident waiting to happen. [Jos Disco]. Should be minimum 3- pole structure.



## ***SAFETY TIPS***

- **Do not build structures or carry out activities under power lines**
- **Avoid contact with electric poles, Tv antenna poles, conductors and other electrical equipment installed in the open.**
- **Avoid staying under trees with conductors running over such trees.**
- **Avoid climbing masts constructed close to power lines.**
- **Avoid power cables and metallic objects.**
- **Wear rubber sole shoes always when on wet grounds.**
- **Report any fallen electric poles or conductors to the nearest electricity utility company or to NEMSA office nearest to you. Do not attempt to touch these.**

***Work Safely!  
Safety First - Safety Always  
- NEMSA.***

***Thank  
You!***