



BIHAR ELECTRICITY REGULATORY COMMISSION PATNA

ORDER SHEET

Case No.:-SMP-46/2014

Petitioner:-

Opposite Parties:-

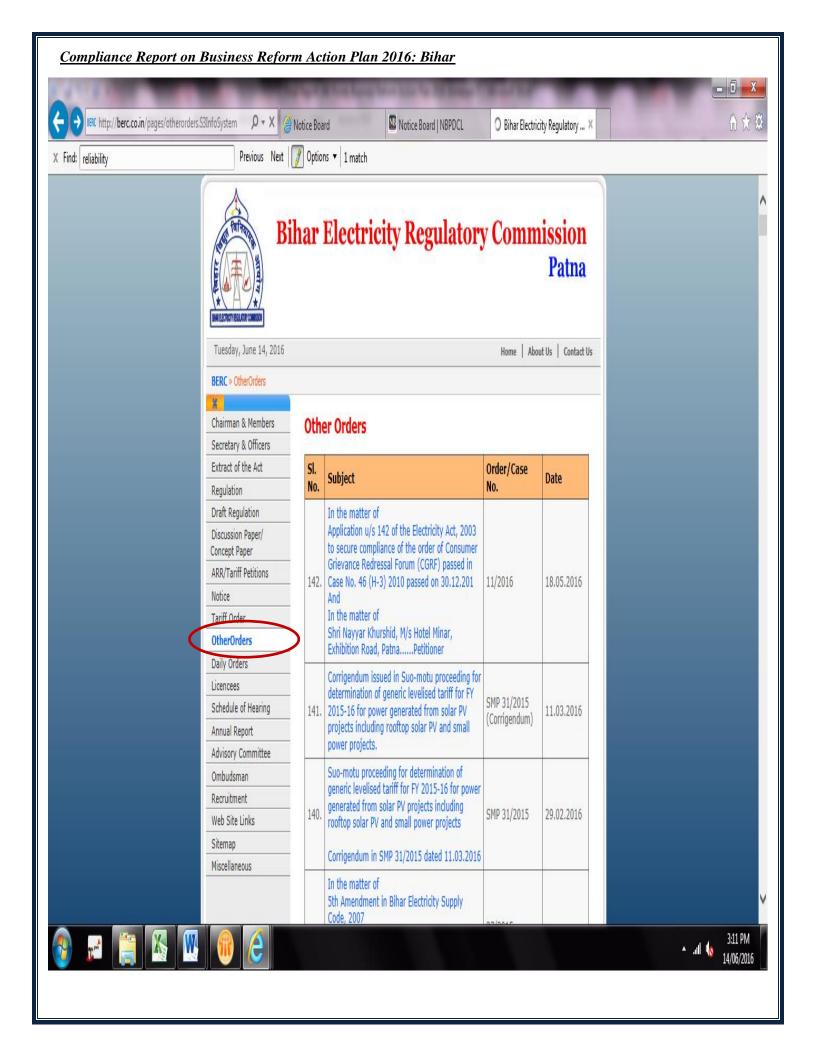
Suo Motu proceeding for compliance of Regulation 13 of BERC Subject :-

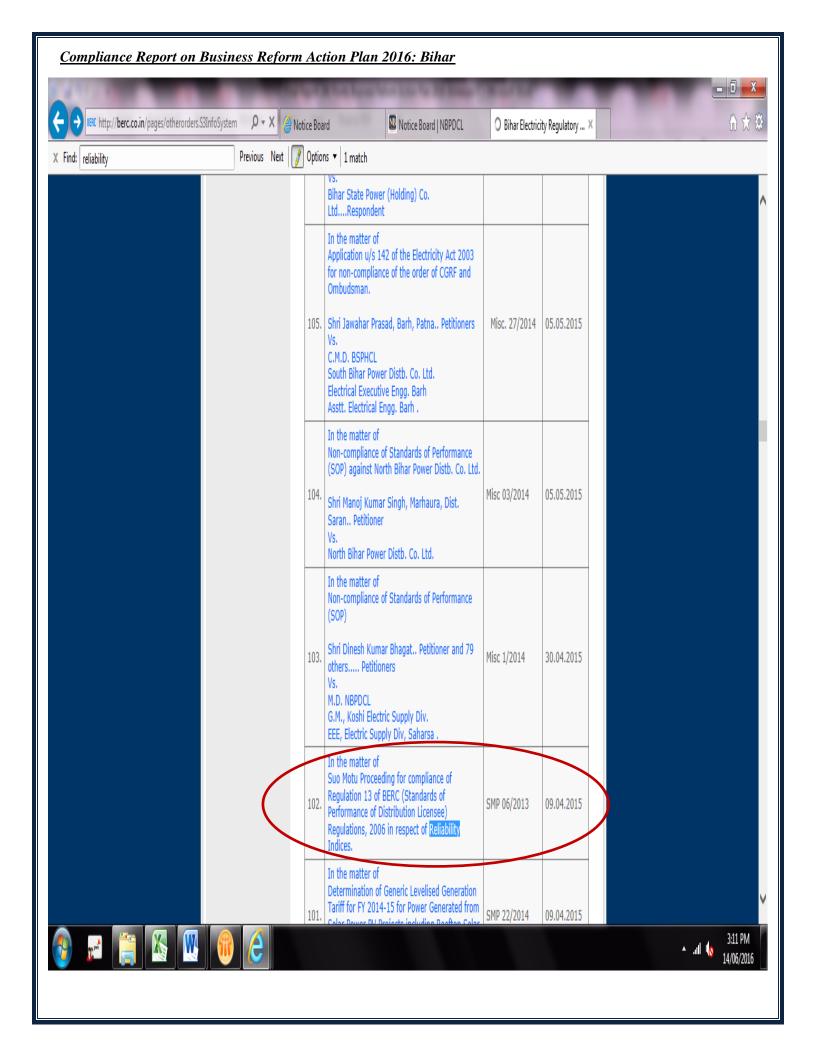
(Standards of Performance of Distribution Licensee) Regulations, 2006 in respect of Reliability Indices for FY 2014-15.

Date of Order	Order with Signature	Office notes as to action taken on order
13.05.2016	North Bihar Power Distribution Co. Ltd. (NBPDCL) is	
	represented by Sri Purushottam Prasad, Chief Engineer (Com.)	
	and Mrs. Manju Kumari, AEE (Com.). South Bihar Power	
	Distribution Co. Ltd. (SBPDCL) is represented by Sri Purushottam	
	Prasad, EEE (Com.) and Sri Binod Kumar, AEE (Com.).	
	In compliance of the order passed by the Commission on	
	29.04.2016, Chief Engineer (Com.) NBPDCL has submitted	
	Annual Report in respect of reliability indices for FY 2014-15 with	
	certificate of correctness vide letter no. 417 dated 10.05.2016.	
	Similarly, Director (Operation) SBPDCL has submitted report on	
	reliability indices for FY 2014-15 along with certificate of	
	correctness vide letter no. 775 dated 05.05.2016.	
	Under Regulation 13.4 of BERC (Standards of Performance	
	of Distribution Licensee) Regulations, 2006, Commission has to fix	
	target levels of the reliability indices annually based on the	
	information (3 years data) provided by the licensee. Discoms have	
	submitted the required data for FY 2013-14 and 2014-15. But the	
	report for FY 2015-16 is incomplete as they have not submitted the	
	report of 4 th quarter. Both the Discoms have been directed to	
	submit the report of all quarters for FY 2015-16 along with	
	certificate of correctness positively by 31.05.2016.	
	After receipt of the aforesaid report for FY 2015-16 from the	
	Discoms, the Commission shall fix the target levels of reliability	

indices based on the information of three financial years. Secretary

Commission for final orders in first week of June, 2016. Sd/- Sd/- Sd/- Sd/- (Rajeev Amit) (S.C. Jha) (S.K. Negi) Member Member Chairman	BERC is directed to	compile the report	and put up before
(Rajeev Amit) (S.C. Jha) (S.K. Negi)	Commission for final ord	ders in first week of J	une, 2016.
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Bihar Electricity Regulatory Commission

VidyutBhawan-II, J.L.NehruMarg, Patna 800 021

Case No. Suo Motu Proceeding No.-06/2013

In the matter of:

Suo Motu Proceeding for compliance of Regulation 13 of BERC (Standards of Performance of Distribution Licensee) Regulations, 2006 in respect of Reliability Indices.

And

In the matter of:

- 1. South Bihar Power Distribution Co. Ltd. Respondents
- 2. North Bihar Power Distribution Co. Ltd.

Coram:

1. Sri U. N. Panjiar - Chairman

2. Sri S. C. Jha - Member

Appearance: On behalf of SBPDCL and NBPDCL

1.	Shri Ram Chandra Singh, ESE (Com.)	
2.	Mr. Nadeem Ahmad, EEE (Com.)	
3.	Ms. Padma, AEE (Com.)	
4.	Ms. Juli Kumari, AEE (Com.)	On behalf of SBPDCL
5.	Shri Abhishek Raj, AEE (Com.)	
6.	Shri Atul A. Singh, Senior consultant	_
7.	Sri S. K. Singh, Chief Engineer (Com.)	
8.	Shri K. D. Sharma, ESE (Com.)	
9.	Sri Jayant Kumar Dubey, EEE (Com.)	
10.	Sri Manish Shakya, AEE (Com.)	On behalf of NBPDCL
11.	Sri Rakesh Roshan, AEE (Com.)	
12.	Sri Avinash Kumar, Head Clerk	
13.	Sri Chandra Bhusan, Head Clerk	

Order

Dated: 09.04.2015

The Regulation 13 of BERC (Standards of Performance of Distribution Licensee) Regulations, 2006 specify that the Distribution Licensee should endeavor to maintain uninterrupted supply of electricity to consumers and

minimize breakdowns and interruptions in the electricity supply system. The distribution licensee is also required to record adequate data for calculating the various indices of system reliability. The Commission is also mandated to fix the target level of the reliability indices of electricity supply system annually based on the information provided by the licensee.

Regulation 13 of the aforesaid Regulations is reproduced below-

"13. System Reliability

- (1) It shall be the endeavour of the licensee to maintain uninterrupted supply to consumers and minimize breakdowns and interruptions.
- (2) The consumers shall be given advance intimation regarding interruptions in supply due to pre-arranged shut downs through media. The maximum duration of interruption per day shall not exceed ten hours and supply shall be restored invariably before 6.00 p.m.
- (3) Adequate data shall be recorded to calculate the following reliability indices. The licensee shall calculate the values of these indices as per the formula and methodology specified below:
 - a) System Average Interruption Frequency Index (SAIFI)

$$\mathbf{SAIFI} = \frac{\overset{n}{\underset{i=1}{\text{d}}} (A_i * N_i)}{N_t}$$

Where

 A_i = total number of sustained interruptions (each longer than 5 minutes) on i th feeder for the month

 $N\,i\!=\!$ connected load of i th feeder in kW affected due to each interruption

 N_t = total connected load at 11 kV in kW in the distribution licensee's supply areas.

n = number of 11 kV feeders in the licensed area of supply (excluding those serving predominantly agricultural loads)

b) System Average Interruption Duration Index (SAIDI)

$$\mathbf{SAIDI} = \begin{array}{c} n \\ \sum_{i=1}^{N} (B_i *_{N_i}) \\ \hline N_i \end{array}$$

Where

 B_i = total duration of all sustained interruptions on i^{th} feeder for the month

 N_i = connected load of i^{th} feeder in kW affected due to each interruption

 N_t = total connected load at 11 kV in kW in the distribution licensee's supply areas.

n = number of 11 kV feeders in the licensed area of supply (excluding those serving predominantly agricultural loads)

c) Momentary Average Interruption Frequency Index (MAIFI)

$$\textbf{MAIFI} = \begin{array}{c} n \\ \sum \\ i=1 \\ \hline \\ N_t \end{array}$$

Where

 C_i = total number of momentary interruptions, each less than or equal to 5 minutes on i^{th} feeder for the month.

 $N_{i} = \mbox{connected load of } i^{th} \mbox{ feeder in } kW \mbox{ affected due to each interruption}$

 N_t = total connected load at 11 kV in kW in the distribution licensee's supply areas.

n = number of 11 kV feeders in the licensed area of supply (excluding those serving predominantly agricultural loads)

(4) The indices shall be calculated by the licensee separately for Urban and Rural feeders and submitted to the Commission every quarter. After three years (from the date these Regulations come into force) the Commission will fix the target levels of the reliability indices annually based on the information provided by the licensees".

The Commission observes that the required indices are not being calculated and reported to the Commission by the distribution licensee. In this regard, a review meeting with the Chairman, Member and other senior officers of erstwhile Bihar State Electricity Board (BSEB) was held on 2nd July, 2012. In the said meeting, it was decided that BSEB will submit the data relating to feederwise connected load. In the first stage, indices for only 10 (ten) feeders SMP 06/2013-skp

of PESU area were to be calculated and submitted to the Commission. A direction in this regard was issued to erstwhile BSEB vide Commission letter no. BERC-Misc-05/12-948 dated 20th September, 2012. Subsequent reminders were sent to erstwhile BSEB vide Commission's letter nos. BERC-Misc-05/12-988 dated 18th October, 2012, 1171 dated 29th October, 2012 and 1317 dated 27.12.2012. But the erstwhile BSEB, now its successor entities namely, North Bihar Power Distribution Co. Ltd. (NBPDCL) and South Bihar Power Distribution Co. Ltd., failed to comply with the provisions of Regulation 13 of the Regulations and directions of the Commission for compliance. As a result, it has not been possible to fix the target levels of reliability indices. This amounts to non-compliance of the provision of Regulation 13 (4).

In view of the above, BSPHCL, NBPDCL and SBPDCL were directed to submit the latest reports required under Regulation 13 and explain why the provisions of Regulation 13 of the Regulations and the directions of the Commission in this regard have not been complied.

In pursuance of the provisions stated above, the Commission initiated suomotu proceeding on 06.02.2013 for enforcement of the submission of the data relating to System Average Interruption Frequency Index (SAIFI), System Average Interruption Duration Index (SAIDI) and Momentary Average Interruption Frequency Index (MAIFI). The Commission during various dates of hearing directed the Discoms to submit the data of Reliability Indices for FY 2013-14 and after constant persuasion the North Bihar Power Distribution Company Ltd. (NBPDCL) and South Bihar Power Distribution Company Ltd. (SBPDCL) submitted the required report on reliability indices in respect of 5 rural and 5 urban feeders for each Electric Supply Circle for FY 2013-14.

In its order dated 30.09.2014, the Commission observed "Reliability indices SAIFI, SAIDI and MAIFI are measures of reliability of power supply in different feeders. On the one hand it helps the Commission to fix targets for improvement of these parameters for distribution licensees, these parameters also help the licensees to compare the position of reliability of supply in different feeders and take necessary corrective steps for improving them in feeders where reliability is very low. Therefore, the Commission directs

NBPDCL and SBPDCL to study the reliability indices in different feeders and take appropriate steps for improving them".

The study on the reliability indices in different feeders and appropriate steps taken for improving them was not submitted by any of the Discom and so the Commission again directed the representatives of SBPDCL and NBPDCL during hearing to submit report for FY 2014-15 by 23.01.2015 and to coordinate with the officials of the Commission in comparative study and fixation of target of reliability indices within a fortnight. The representative of the NBPDCL and SBPDCL had discussion with Commission's officials. Deficiencies in the report were pointed out by the Commission's officials. They could not explained the reason of abnormal values of the System Reliability Indices in some feeders.

The Commission has observed the following features of deficiency in the reports submitted by NBPDCL and SBPDCL for the year 2013-14.

A. NBPDCL

- (i) SAIFI for Muzaffarpur (urban) circle is 72.03 which is quite low compared to SAIFI of other circles, whereas the SAIFI for Darbhanga (urban) circle is 647.75 which is very high compared to SAIFI of other circles.
- (ii) SAIDI for Purnea (urban) circle is 43.00 minutes and for Muzaffarpur (urban) circle is 70.17 minutes which is very low compared to other circles and SAIDI for Darbhanga (urban) circle is 522.50 minutes which is quite high compared to other circles.
- (iii) MAIFI for Saharsa (urban) circle is 14.05 as low and for Muzaffarpur (urban) circle is 17.18 which are quite low compared to other circles, whereas MAIFI for Motihari (urban) circle is 350.52 and for Purnea 357.50 which are quite high.
- (iv) SAIFI for Saharsa (rural) circle is as low as 21.37 and for Motihari (rural) circle as high as 10848.46.
- (v) SAIDI for Darbhanga (rural) circle is as low as 929.26 minutes and whereas SAIDI for Chapra (rural) circle is as high as 22602.65 minutes.

(vi) MAIFI for Saharsa (rural) circle is as low as 24.15 whereas for Purnea (rural) circle which is as high as 191.50.

B. SBPDCL

- (i) SAIFI for Ara (urban) circle is as low as 24.7 and for Bhagalpur (urban) circle is 25.45 whereas for SAIFI for Munger (urban) circle is as high as 536.85 and for Rohtas (urban) circle is 483.78.
- (ii) SAIDI for Gaya (urban) circle is as low as 121.93 minutes and for Bhagalpur (urban) circle is 194.87 minutes, whereas SAIDI for Rohtas (urban) circle is as high as 38898.3 minutes and for Munger (urban) circle is 17547.
- (iii) MAIFI for Gaya (urban) circle is as low as 5.47 compared to MAIFI of Munger (urban) circle which is as high as 60.65.
- (iv) SAIFI for Ara (rural) circle is as low as 15.47 and for Bhagalpur (rural) circle is 25.75 wheras Rohtas (rural) circle it is as high as 437.29.
- (v) SAIDI for Gaya (rural) circle is as low as 116.5 minutes and whereas SAIDI for Ara (rural) circle is as high as 69629 minutes and for Nalanda (rural) 33308 and for Rohtas is 33250.97 minutes.
- (vi) MAIFI for Gaya (rural) circle is as low as 6.43 and for Munger (rural) is 12.10 whereas MAIFI for Rohtas (rural) circle it is as high 39.05

It is evident from the analysis of the above data that there is wide variation in the data of various Reliability Indices in respect of different circles of NBPDCL and SBPDCL both for rural feeders as well as urban feeders. Within the same circles also, there is wide variation in the data for different quarters.

From the above analysis, it is also evident that NBPDCL and SBPDCL have not made any comparative study of the data of Reliability Indices of four quarters of FY 2013-14. It appears that the data prepared at the junior level has not been scrutinized by senior officials, otherwise the discrepancies would have come to their notice and they would have taken corrective steps to rationalize the data collection and reporting and also taken corrective steps in feeders where Reliability Indices are abnormally high and verified Reliability Indices of feeders which are incredibly low.

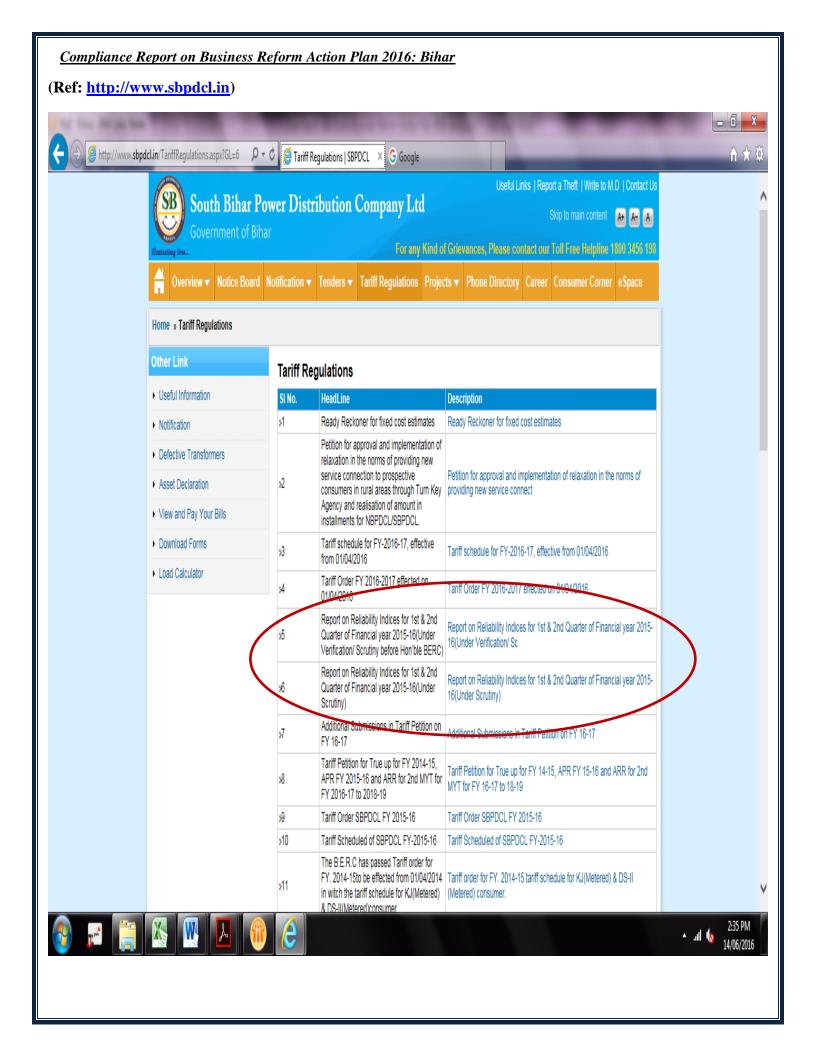
Therefore the Commission directs NBPDCL and SBPDCL to study and analyse the data of Reliability Indices submitted by various circles for FY 2013-14 and 2014-15 and take necessary corrective steps to first rationalize the data collection and reporting and then to take steps for improving the Reliability Indices in respect of circles/feeders in which they are very high.

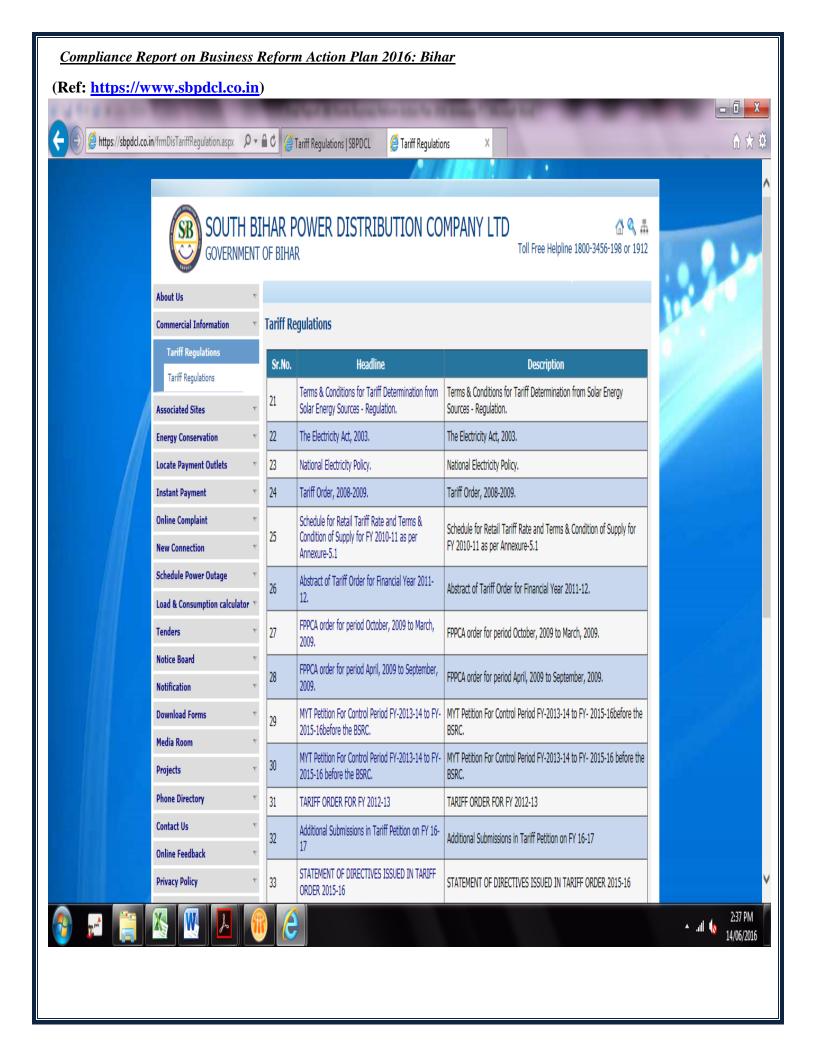
Both SBPDCL and NBPDCL may also submit the average Reliability Indices for FY 2013-14 for the entire area of the licensee.

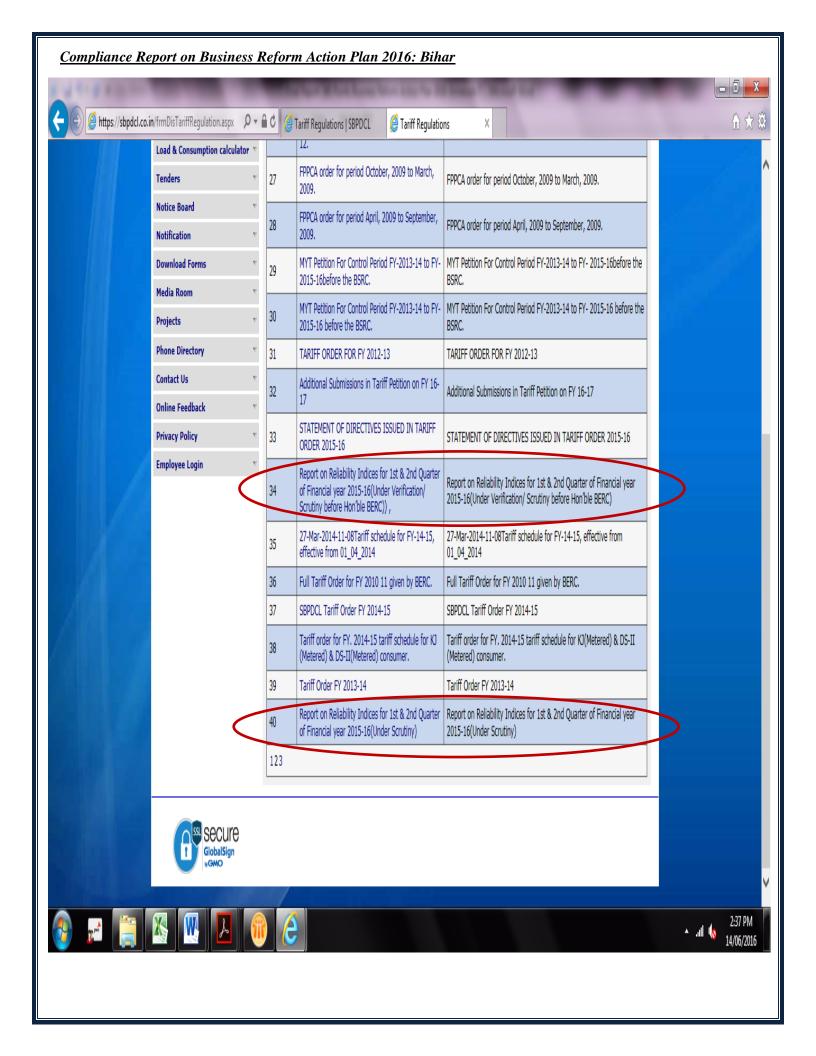
The Reliability Indices for FY 2014-15 may also be submitted by 29.04.2015.

Sd/(S. C. Jha)
Member

Sd/(U. N. Panjiar)
Chairman









SOUTH BIHAR POWER DISTRIBUTION COMPANY LIMITED

Registered Office: Vidyut Bhawan, Bailey Road, Patna - 21.

A Govt. Of Bihar Undertaking (Department of Commercial)

CIN. U40109BR2012SGC018890

 Dated 20-01-2016,

From,

Ashok Kumar,

Chief Engineer (Com.)

To.

The Secretary,

Bihar Electricity Regulatory Commission,

Patna

Sub. :-

Submission of report on Reliability Indices for 1st & 2nd quarter of

Financial Year 2015-16.

Ref. :-

BERC Misc.-16/15-1372 dated 17.12.2015.

Sir,

With reference to the above please find enclosed herewith the report on Reliability Indices of Electric Supply Circles, PESU (W), PESU (E), Patna, Rohtas, Ara, Munger, Bhagalpur, Gaya, Nalanda and both DF areas Gaya & Bhagalpur under SBPDCL.

This is for your kind information and needful.

Encl. ;- As above.

Yours faithfully,

(Ashok Kumar) Chief Engineer (Com.)



South Bihar Power Distribution Co. Ltd.

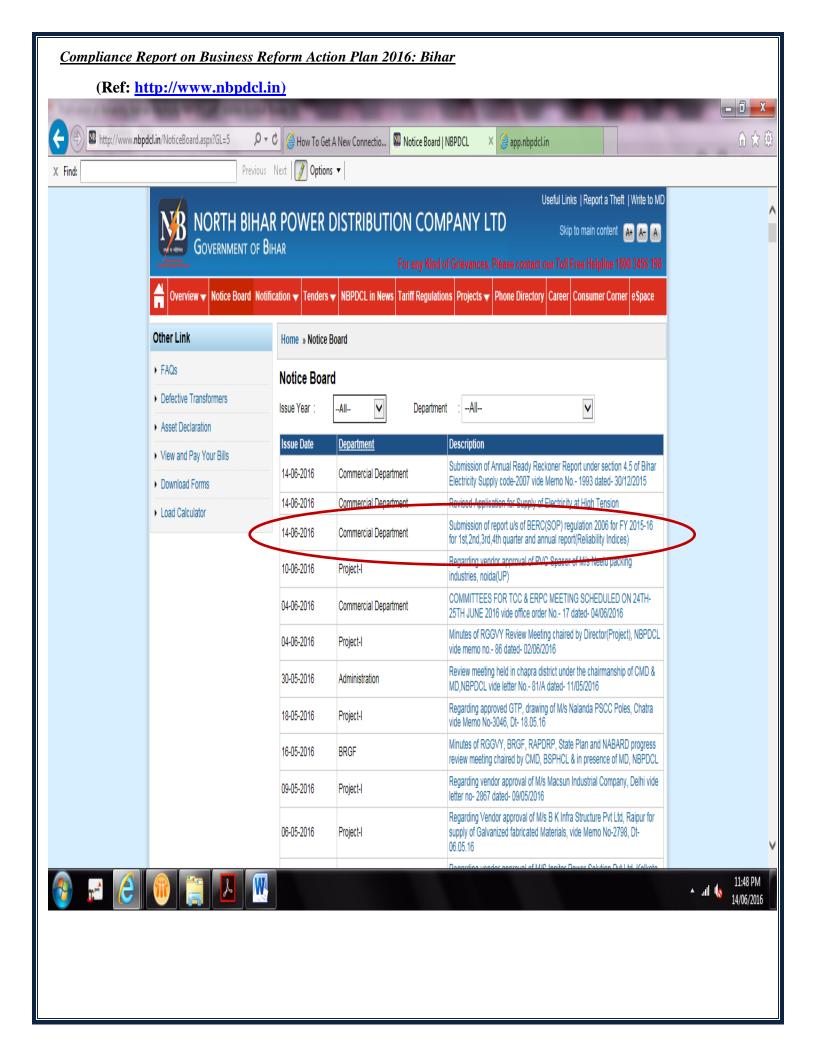
Performance Indices (SAIFI, SAIDI, MAIFI) of Rural and Urban Representative feeders for FY 2015-16

(B) SBPDCL

IS	No.	-	2	ω	4	5	6	7	∞	9	10	
Electric Supply	Circle	PESU (West)	PESU (East)	Patna	Ara	Rohtas	Bhagalpur	Gaya	Munger	Nalanda	Gaya Franchisee	Bhagalpur
1st Qu	SAIDI (Hrs.)	38.38	41.59	11.7545	2.6	519.9	2.42	112.81	140.15	61.65	19.031	2.24
1st Quarter (Urban)	SAIFI (Nos.)	89.62	109.12	53.08	16.71	307.07	11.13	110.12	35.09	14.35	7.27	9.82
an)	MAIFI (Nos.)	71.86	76.5	34.22	53.57	21.23	10.86	31.74	33.47	145.17	29.86	4.84
1st C	SAIDI (Hrs.)	N/A	N/A	9.6	7.88	523	3.03	126.43	80.43	84.67	106.41	6.11
Ist Quarter (Rural)	SAIFI (Nos.)	N/A	N/A	64.3	59.13	310.82	14.06	122.5	81.53	18.64	2571	20.4
ural)	MAIFI (Nos.)	N/A	N/A	41.16	66.64	21.31	15.48	35.27	27.25	173.23	9.81	5.87
2nd (SAIDI (Hrs.)	17.09	40.8	8.27	2.34	638.13	3.03	112.89	174.25	70.38	27.46	2.31
2nd Quarter (Urban)	SAIFI (Nos.)	75.83	107.19	52.68	15.36	308.04	12.85	107.19	59.93	15.97	9.1	9.91
rban)	MAIFI (Nos.)	47.31	74.69	32.54	41.53	12.27	11.96	37.7	53.07	100.49	45.41	4.28
2nd	SAIDI (Hrs.)	N/A	N/A	10.1	8.04	640.45	4.1	124.14	52.54	92.6	134.88	8.27
2nd Quarter (Rural)	SAIFI (Nos.)	N/A	N/A	63.42	60.55	320.48	18.94	118.32	77.55	23.83	31.72	23.46
tural)	MAIFI (Nos.)	N/A	N/A	41.39	78.83	12.41	13.81	37.55	46.89	168.21	26.72	5.75

Note: At least five each from Urban and Rural feeders should be taken as representative feeders for calculating the Indices. 456/60/53PDCL

18 19 COM





North Bihar Power Distribution Company Limited

(Regd. Office: Vidyut Bhawan, Baily Road, Patna)

(Commercial Department)

CIN-U40109BR2012SGC018920

Letter no.: Com/Misc/1119/08 Part 497

08/6/16

Phone No.: 0612-2505750 Fax No.: 0612-2505750

Email- cecom.nbpdcl @gmail.com

From,

Purushottam Prasad

CE(Commercial)

To,

The Secretary

Bihar Electricity Regulatory Commission,

Patna.

Sub:-

Submission of report u/S 13 of BERC (SOP) Regulation 2006 for FY 2015-16 for 1st, 2nd, 3rd, 4th quarter and annual report

Sir

Please find enclosed herewith the report for $\mathbf{1}^{\text{st}}$, $\mathbf{2}^{\text{nd}}$, $\mathbf{3}^{\text{rd}}$, $\mathbf{4}^{\text{th}}$ quarter and annual report FY 2015-16 u/s 19 of BERC (SOP) Regulation 2006.

Encl:- As above.

Yours faithfully

Purusholdan Prasad CE(Commercial)

Name of Distribution licensee: North Bihar Power Distribution Company Limited

Financial Year:2015-16

2	Particulars -				7	Name of the Circle(URBAN)	rcle(URB	AN)		
Z	raruculars	Motihari	Chapra	Chapra Muzaffarpui	Purnea	Samastipur	Saharsa	Darbha	nga	DarbhangaMuzaffarpurDF Circle Average
	The state of the s				SA	I F 1(NO.	0.)	のである		_
	1 st Quarter	137	76	37	146	72	41	486		214
<u> </u>	2 nd Quarter	206	70	35	109	107	35	565		256
	3 rd Quarter	166	66	57	97	83	37	244	1	198
	4 th Quarter	150	69	19	161	129	62	173	w	3 108
FY	FY 15-16 Average	164.75	70.25	37	128.25	97.75	43.75	367	7	7 194
					SA	(I D I (Hrs)	rs)			
	1 st Quarter	148	63	31	62	45	68	196	9	06 178
2	2 nd Quarter	215	62	33	48	66	28	210	0	0 141
	3 rd Quarter	195	54	59	6	71	21	82		99
	4 th Quarter	168	71	60	118	265	88	69		50
FY 1	15-16 Average	181.5	62.5	45.75	58.5	111.75	51.25	139.25	.25	.25 117
	OVER OF STREET	. A	18 mm		M A	A I F I(NO.)	0.)	100	Mary Control	は、一般の変化の一種を
	1 st Quarter	51	55	61	17	3	131		51	51 91
C.i	2 nd Quarter	68	54	40	15	9	164	52	2	2 86
	3 rd Quarter	84	86	57	42	16	107	11		1 109
	4 th Quarter	46	88	32	82	143	77	67	7	53
FY I	15-16 Average	62.25	70.75	47.5	39	42.75	119.75	45.25	5	5 84.75

report/affidavit.

PRANAV KUMAR E.E.E (COM), NBPDCL Johnson Human

Purushottam Prased
Chief Engineer (Commercial)
NBPDCL, Petne

Name of Distribution licensee: North Bihar Power Distribution Company Limited

Financial Year:2015-16

FY 1			CJ.			FY 1			2			FY 1			\vdash			ONITO	CINIC
FY 15-16 Average	4 th Quarter	3 rd Quarter	2 nd Quarter	1 st Quarter	TOP I SHE	FY 15-16 Average	4 th Quarter	3 rd Quarter	2 nd Quarter	1 st Quarter	THE REAL PROPERTY.	FY 15-16 Average	4 th Quarter	3 rd Quarter	2 nd Quarter	1 st Quarter	No. of Street, or other Persons and the street, or other persons are street, or other persons and the street, or other persons and the street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons are street, or other persons and the street, or other persons are street, or other persons and the street, or other persons are street, or other persons ar	Farticulars	Doutionlaws
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89.5	117	58	00	95		112	181	000	85	94		116.75	120	132	104	111		Chapra	
37.75	29	49	40	33		133	42	49	252	189		32.5	29	56	25	20	See House Miles	Muzaffarpur	
30.5	53	52	7	10	MA	35	41	18	44	37	SAJ	101.5	277	97	23	9	S A I	Purnea	Nam
32.75	97	19	11	4	F 1(NO.	128.5	226	85	101	102	D I (Hrs)	97.25	105	88	118	78	F I (NO.	Samastipu Saharsa	Name of the Circle(RURAL)
132.5	78	100	161	191).)=	80	75	33	120	124	s)	44	56	40	40	40		Saharsa	cle(RURAI
21	12	u	45	24	Marine San	117.75	65	64	167	175		144.75	93	102	208	176	THE PROPERTY.	Darbhanga)
121.75	116	170	94	107	· · · · · · · · · · · · · · · · · · ·	208	70	235	226	301		224.25	140	266	235	256		uzaffarpur	
66.39	69.75	62.63	83.25	77.63		103.00	106.63	89.75	132.00	136.13		99.07	121.25	114.13	121.50	102.00		Darbhanga uzaffarpur Circle Average	

NOTE:- Certified that the data/figures mentioned in this report is correct to the best of my knowledge on belief on the basis of field offices report/affidavit.

Wolf 2 H

PRANAV KUMAR

Pil

PUITUS BUILDAN PERSONAL COMMITTENSINEER (Committensine)

10	7	6	(5	4	w	2	1				Si.No.	Z	7.4		Perfo	00		7	6	(7)	4	ω	2	₽			Si.No.		Z	
Muzaffarp	Purnea	Saharsa	Chhapra	Motihari	Muzaffarpu	Samastipur	Darbhanga			Circle	Electric	North Binar Power Distribution Company Limited	ם בין בין		Performance Indices	J.n.	PA	Purnea	Saharsa	Chhapra	Motihari	Muzaffarpu	Samastipur	Darbhanga			Supply	Electric	North Bihar Power Distribution Company Limited	
99	6	21	54	195	59	71	82	(Hrs)	SAIDI	3rc		Wel Distr				178		62	68	63	148	31	45	196	(Hrs)	SAIDI	1st		wer Distr	
198	97	37	66	166	57	83	244	(Nos.)	SAIFI	3rd Quarter(Urban		IOUTION CX	il with the Co	feeders fo	(SAIFI, SAIDI, MA	214		146	41	76	137	37	72	486	(Nos.)	SAIFI	1st Quarter(Urban		ibution Co	
109	42	107	86	84	57	16	11		MAIFI(Nos	lrban)		ompany Lun	mi I variante	Y2(F	91		17	131	55	51	61	ω	51	-	MAIFI(Nos	rban)		mpany Lim	
235	31	33	88	146	49	85	65	(Hrs)	SAIDI	30		TICA	ited		of Rural and Ur	301		110	124	94	67	189	102	175	(Hrs)	SAIDI	1st		ited	4
266	122	40	98	132	56	888	102	(Nos.)	SAIFI	3rd Quarter(Rural)		100100	revise		Urban Representative	256	1	48	40	111	126	20	/8	1/6	(Nos.)	SAIFI	1st Quarter(Rural)			
170	5	100	58	50	49	19	u	(Nos.)	MAIF	ural)					sentative	107		15	191	95	15/	33	4	24	(Nos.)	MAIFI	ural)			
00	7	6	5	4	. w	7) -				Si.No.		No		Perfor	141		48	28	62	215	33	00	0.17	SAIDI(Hrs)		2nc			
ur	Purnea	Saharsa	Chhapra	Motihari	Muzaffarpu	Samastipur	Darbnanga			Circle	Supply		North Bihar Po		mance Indi	256		109	35	//	200	200	77	107	(Nos.)	SAIFI				Contract Contract
50	118	88	/1	168					SAIDI	4rth			ower Distr		ces (SAIF	86		15	164	40	00	000	30	20	(NOS.)	MAIFI	Urban)			
108	TOT	62	69	150	19	173	100	(NOS.)	SAIFI	4rth Quarter(Urban)			ibution Co	feeders for	SAIDI.M	226		8/	120	00	0 0	61	701	101	167	SAIDI	200			
53	78	07	80	46	32	77 L	1/13	67	MAIFI(Nos	rban)			Power Distribution Company Limited	feeders for FY2015-16	Performance Indices (SAIFLSAIDL, MAIFI) of Kural and Orbail Representative	235		32	40	104	100	210	25	118	208	(Nine)	2nd Quarter(Rural)			
70	41	//	101	101	42	077	326	(FIS)	SAIDI	4rt			ited	0	rai and Ur	94		TO	101	404	88	220	40	11	45	(Nos)	ral)			
140	117	2777	770	120	1/1	200	105	Q3	SAIFI	4rth Quarter(Kurai)					Dan Kepte															
116	J.	72	711	117	50	20	97	17	MAIFI	(urai)					SCHIMITY															

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PRANAV KUMAR E.E.E (COM), NBPDCL

CMOSEngineer (Commercial)
NBPBCL Point

Name of Distribution licensee: North Bihar Power Distribution Company Limited

Financial Year: 2015-16

Sl	Particulars]	Name of the C	ircle(RUR	AL)		
No	Particulars	Motihari	Chapra	Muzaffarpur	Purnea	Samastipur	Saharsa	Darbhanga	MuzaffarpurDF	Circle Average
					S A	I F I (N	O.)			
	1 st Quarter	126	111	20	9	78	40	176	256	102.00
1	2 nd Quarter	219	104	25	23	118	40	208	235	121.50
	3 rd Quarter	132	132	56	97	88	40	102	266	114.13
	4 th Quarter	150	120	29	277	105	56	93	140	121.25
FY 1	5-16 Average	156.75	116.75	32.5	101.5	97.25	44	144.75	224.25	99.07
					S A	A I D I (H	(rs)			
	1 st Quarter	67	94	189	37	102	124	175	301	136.13
2	2 nd Quarter	61	85	252	44	101	120	167	226	132.00
	3 rd Quarter	146	88	49	18	85	33	64	235	89.75
	4 th Quarter	153	181	42	41	226	75	65	70	106.63
FY 1	5-16 Average	106.75	112	133	35	128.5	88	117.75	208	103.00
					\mathbf{M}	A I F I (N	NO.)			
	1 st Quarter	157	95	33	10	4	191	24	107	77.63
3	2 nd Quarter	220	88	40	7	11	161	45	94	83.25
	3 rd Quarter	50	58	49	52	19	100	3	170	62.63
	4 th Quarter	56	117	29	53	97	78	12	116	69.75
FY 1	5-16 Average	120.75	89.5	37.75	30.5	32.75	132.5	21	121.75	66.39

NOTE:- Certified that the data/figures mentioned in this report is correct to the best of my knowledge on belief on the basis of field offices report/affidavit.

Name of Distribution licensee: North Bihar Power Distribution Company Limited

Financial Year: 2015-16

Sl	Particulars]	Name of the C	ircle(URB	AN)		
No	Particulars	Motihari	Chapra	Muzaffarpur	Purnea	Samastipur	Saharsa	Darbhanga	MuzaffarpurDF	Circle Average
					S A	I F I (N	0.)			
	1 st Quarter	137	76	37	146	72	41	486	214	151.13
1	2 nd Quarter	206	70	35	109	107	35	565	256	172.88
	3 rd Quarter	166	66	57	97	83	37	244	198	118.50
	4 th Quarter	150	69	19	161	129	62	173	108	108.88
FY	15-16 Average	164.75	70.25	37	128.25	97.75	43.75	367	194	137.84
					S A	A I D I (H	rs)			
	1 st Quarter	148	63	31	62	45	68	196	178	98.88
2	2 nd Quarter	215	62	33	48	66	28	210	141	100.38
	3 rd Quarter	195	54	59	6	71	21	82	99	73.38
	4 th Quarter	168	71	60	118	265	88	69	50	111.13
FY	15-16 Average	181.5	62.5	45.75	58.5	111.75	51.25	139.25	117	95.94
					M A	A I F I (N	O.)			
	1 st Quarter	51	55	61	17	3	131	51	91	57.50
3	2 nd Quarter	68	54	40	15	9	164	52	86	61.00
	3 rd Quarter	84	86	57	42	16	107	11	109	64.00
	4 th Quarter	46	88	32	82	143	77	67	53	73.50
FY	15-16 Average	62.25	70.75	47.5	39	42.75	119.75	45.25	84.75	64.00

NOTE:- Certified that the data/figures mentioned in this report is correct to the best of my knowledge on belief on the basis of field offices report/affidavit.