



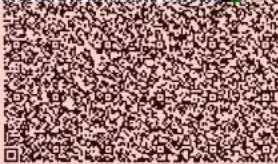
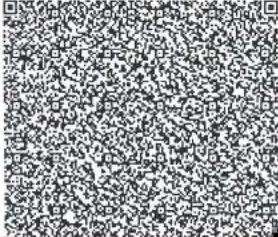
सत्यमेव जयते

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Description of Document	: Article 5 General Agreement
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: MINISTRY OF POWER GOVERNMENT OF INDIA
Second Party	: GOVERNMENT OF BIHAR AND OTHERS
Stamp Duty Paid By	: MINISTRY OF POWER GOVERNMENT OF INDIA
Stamp Duty Amount(Rs.)	: 150 (One Hundred And Fifty only)



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This Stamp Paper forms an integral part of the Tripartite Memorandum of Understanding dated 22nd February, 2016 executed amongst Ministry of Power, Government of India, Government of Bihar and South Bihar Power Distribution Company Limited at New Delhi.

TRIPARTITE MEMORANDUM OF UNDERSTANDING

AMONGST

Ministry of Power, Government of India

AND

Government of Bihar

AND

South Bihar Power Distribution Company Limited, Distribution Company

For achieving turnaround of South Bihar Power Distribution Company Limited.

This TRIPARTITE MEMORANDUM OF UNDERSTANDING (hereinafter referred to as the **"Tripartite MOU"**) is made on this **22nd day of February 2016**.

BY AND AMONGST

Ministry of Power, Government of India, having its Office at Rafi Marg, Sansad Marg Area, New Delhi - 110001 which expression shall unless it be repugnant to the subject or context thereof, include its successors and assigns, of the **FIRST PART**;

AND

Government of Bihar (hereinafter referred to as **"Government of Bihar"** which expression shall unless it be repugnant to the subject or context thereof, include its successors and assigns, of the **SECOND PART**

AND

South Bihar Distribution Company (South Bihar Power Distribution Company Limited) (hereinafter referred to as **"South Bihar DISCOM"** which expression shall unless repugnant to the context or meaning thereof includes its successors and assigns) of the **THIRD PART**.

The Government of India, the **Government of Bihar**, and the **South Bihar DISCOM** is hereinafter also referred to collectively as the "**Parties**" and individually as the "**Party**".

Definitions:

"**Effective Date**" means the date of signing of the MOU.

"**Cut-off Date**" means 30th September 2015.

"**South Bihar DISCOM**" means **South Bihar Power Distribution Company Limited**.

"**Bonds**" mean the bonds issued by the **South Bihar DISCOM** under the Central FRP scheme 2012 and UDAY.

"**Outstanding Debt**" means the debt of the DISCOM including Bonds and loan for capital expenditure (capex) as well as short term loans of Banks/ FIs/ Govt. of Bihar.

Preamble:

- ❖ **South Bihar DISCOM** have been reeling under severe financial stress. The DISCOM had the revenue deficit during FY 2012-13 (1st November, 2012 to 31st March, 2013) amounting to Rs. 1141.68 crore, Rs. 268.69 Crore in FY 2013-14 and Rs. 761.25 Crore in 2014-15. The accumulated losses have reached to the level of Rs. 2171.62 Crore as on financial year ending 2014-15 after considering the Resource Gap Funding from the State Government. The outstanding debt level of the South Bihar DISCOM has reached to Rs. 1826.54 Crores at the end of September 2015. However, the ARR is insufficient to meet the ACS, with a cost recovery of only 54.58 %.

The Government of India, Government of Bihar and the **South Bihar DISCOM** has entered into a tripartite MOU in order to improve the operational and financial efficiency of the **South Bihar DISCOM** to enable financial turnaround of the DISCOM.

NOW IT IS HEREBY AGREED BY AND AMONG THE PARTIES HERETO as follows:

1. Obligations/ Commitments:

1.1. The Government of India to take following measures:

- (a) Facilitating Government of Bihar to take over 50% of the outstanding debt of the South Bihar DISCOM as on 30th September, 2015 in the year 2015-16 and 25% of the outstanding debt of the South Bihar DISCOM in the year 2016-17.
- (b) Facilitating Banks / FIs not to levy any prepayment charge on the South Bihar DISCOM debt. Banks/ FI's shall waive off any unpaid overdue interest and penal interest on the South Bihar DISCOM debt and refund/adjust of any such overdue/penal interest paid since 1st October 2013. 50% of South Bihar DISCOM debt as on 30th September, 2015, as

reduced by any waivers by Banks/FIs shall be converted into loans or bonds with interest rates not more than the Banks' base rate plus 0.1%. Alternately, this debt may be fully or partly issued by the South Bihar DISCOM as State guaranteed South Bihar DISCOM bonds at the prevailing market rates which shall be equal to or less than bank base rate plus 0.1%;

- (c) Debt taken over by the state would not be counted against the fiscal deficit limit of the state FY 2015-16 and 2016-17.
- (d) Facilitating through Ministry of Coal, increase in supply of domestic coal to Bihar State Power Generation Company Ltd., Kanti Bijli Utpadan Nigam Limited and other existing and up-coming Power Generating Companies of the states;
- (e) Ensuring rationalization of coal linkages;
- (f) Liberally allowing coal swaps from inefficient plants to efficient plants and from plant situated away from mines to pithead plants;
- (g) Rationalizing coal prices based on Gross Calorific Value (GCV);
- (h) Ensuring correction of coal grade slippages through re-assessment of each mine;
- (i) Directing Coal India to supply 100% washed coal for G10 grade and above by 1st October 2018;
- (j) Ensuring supply of 100% crushed coal from Coal India by 1st April 2016;
- (k) Faster completion of ISTN lines;
- (l) Allocating linkages to state at notified price based on which the State will go for tariff based bidding. This will help in getting cheaper power and revive stressed assets;

1.2 The Govt. of Bihar to take the following measures:

- (a) Taking over 75% of the debt of the South Bihar DISCOM outstanding as on 30 September 2015;
- (b) 50% of the outstanding debt as on 30 September 2015 shall be taken over in Year 2015-16 while 25% of the same shall be taken over in Year 2016-17;
- (c) The Government of Bihar shall take over the debt according to the following timelines:
 - i. Year 2015-16: Last Quarter of the financial year
 - ii. Year 2016-17: End of Quarter 2 of the financial year
- (d) The Borrowings made by the State during 2015-16 and 2016-17 to takeover South Bihar DISCOM debt shall be utilized by Government of Bihar solely for the purpose of discharging the South Bihar DISCOM debt and transfer to South Bihar DISCOM as grant, as given in the following table:

Year	Total Debt to be taken-over	Amount of Debt to be taken	Transfer to the South Bihar DISCOM in the form of Grants for discharging debts
Year 1	50% of the total debt	Rs. 913.27 crore	Rs. 913.27 crore
Year 2	25% of the total debt	Rs. 456.64 crore	Rs. 456.64 crore

- (e) For the borrowings made by the state to takeover South Bihar DISCOM debt, Government of Bihar shall take prior permission of Department of Expenditure, Ministry of Finance under Article 293 of the Constitution of India before approaching Reserve Bank of India to raise loans.
- (f) The borrowings made by the state to take over South Bihar DISCOM debt during 2015-16 and 2016-17 shall not be reckoned against the normal permissible net borrowings ceiling of the state determined by department of Expenditure, Ministry of Finance under the recommendations of 14th Finance Commission. However any borrowings made by the state after 31/03/2017 to takeover South Bihar DISCOM debt shall be reckoned as part of the Net Borrowings ceiling of the state.
- (g) The Government of Bihar shall issue Non-SLR bonds (including SDL bond) to raise funds for providing grant to the South Bihar DISCOM.
- (h) Bonds to be issued against the loans of FIs, including REC and PFC, would first be offered for subscription by the market including pension and insurance companies. Balance, if any, will be taken over by banks in proportion to their current lending to South Bihar DISCOM.
- (i) The takeover of the debt shall be in the order of debt already due, followed by debt with highest cost.
- (j) The Government of Bihar shall take over the future losses of the South Bihar DISCOM in a graded manner and shall fund the losses as follows:

Year	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Previous Year's DISCOM loss to be taken over by State	0% of the loss of 2014-15	0% of the loss of 2015-16	5% of the loss of 2016-17	10% of the loss of 2017-18	25% of the loss of 2018-19	50% of the previous year loss

- (k) Government of Bihar shall provide Operational Funding Requirement (OFR) support to the South Bihar DISCOM till the South Bihar DISCOM achieve turnaround which shall also include the outstanding power purchase liabilities of the South Bihar DISCOM as on 31.03.2015;
- (l) All outstanding dues from the State Government departments to South Bihar

DISCOM for supply of electricity shall be paid by 15.03.2016;

- (m) Government of Bihar shall guarantee repayment of principal and interest payment for the balance debt remaining with South Bihar DISCOM/ bonds issued by South Bihar DISCOM.
- (n) Henceforth, Banks / FIs shall not advance short term debt to South Bihar DISCOM for financing losses. Therefore, Government of Bihar shall guarantee the bonds issued by South Bihar DISCOM or issue bonds itself to meet current losses after 1st October, 2015, if any, within the limit of loss trajectory finalized by MoP.
- (o) Replacement of street lights with LEDs in all municipal towns through Nagar Nigam/ Municipal Corporations;
- (p) Improving efficiency of State Generating Units.
- (q) Government of Bihar shall endeavour to ensure that tariff hikes as reflected in Annexure- 'B' are undertaken.
- (r) Government of Bihar will endeavour to ensure that all operational targets as enumerated in Section 1.3 are achieved.
- (s) The current transmission losses as on 31st March, 2015 are 4.70% and the Government of Bihar will endeavour to reduce the same to 4% by 2019.
- (t) Review of South Bihar DISCOM performance shall be done on monthly basis at State Government level in the presence of State finance representative.

1.3 The South Bihar DISCOM to take the following measures:

- a) For the 50% of the debt remaining with it as on 31st March, 2016, South Bihar DISCOM to fully/partially issue state government guaranteed bonds or get them converted by Banks/FIs into loans or bonds with interest not more than the Banks base rate plus 0.1%. South Bihar DISCOM and the Government of Bihar shall ensure timely payment of lender's dues towards principal/interest for the balance debt remaining with South Bihar DISCOM.
- b) The South Bihar DISCOM shall pay interest to the Government of Bihar, in future, if any, on the outstanding loan in a financial year at the rate at which Government of Bihar issued non-SLR Bonds (including SDL bond).
- c) As per the UDAY scheme, all DISCOMs have to reduce AT&C losses to 15% by FY 2018-19. Considering the current level of AT&C losses of 45.83%, South Bihar DISCOM has proposed to reduce it to 15.00% by FY 2019-20 as per the following trajectory :

Year	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
AT & C loss	44%	38%	30%	22%	15%

However, the State will make efforts to ensure that DISCOM reduce AT&C losses to 15%

by FY 2018-19. If the target in a particular year is not met, then the DISCOM shall strive to achieve the targets in the subsequent years so as to achieve the desired target of 15.00 % AT&C losses positively by FY 2019-20.

- d) The South Bihar DISCOM shall increase hours of power supply in areas showing reduction in AT&C losses.
- e) The South Bihar DISCOM shall eliminate the gap between ACS and ARR by FY 2019-20 after adjustment of subsidy from State Govt., if any, to any category of consumers.

As per the UDAY scheme, all DISCOMs have to eliminate gap between ACS & ARR by FY 2018-19. Considering the current level of the gap, South Bihar DISCOM has proposed to eliminate it by FY 2019-20. However, the State will make efforts to ensure that DISCOM eliminate the Gap by 2018-19 and if not achieved, positively by FY 2019-20. Detailed computations of year wise ACS-ARR gap along with financial projections have been attached as Annexure B.



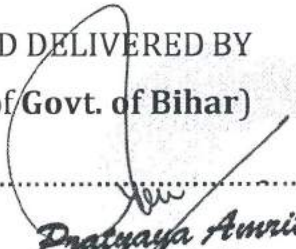
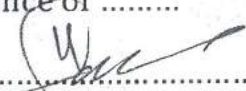
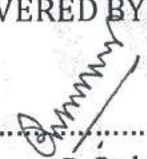

- f) South Bihar DISCOM shall submit the detailed action plan by 15th March 2016 to achieve the projected trajectory for AT&C loss and ACS-ARR gap.
- g) The South Bihar DISCOM shall achieve operational milestones as specified in DDUGJY & IPDS;
- h) The South Bihar DISCOM shall take the following measures for Loss Reduction:
 - (i.) Undertaking name and shame campaign to control power theft from time to time;
 - (ii.) Preparing loss reduction targets at subdivision/ division/ circle/ Area level and making concerned officers responsible for achieving the loss reduction targets; the loss reduction targets at the Division level have been attached as Annexure- 'A' of MOU.
 - (iii.) Implementing performance monitoring and management system MIS for tracking the meter replacement, loss reduction and day to day progress for reporting to top management;
 - (iv.) Achieve 100% Distribution Transformer (DT) metering by 30th June 2017;
 - (v.) Achieve 100% feeder metering by 30th June 2016;
 - (vi.) Undertake energy audit up-to 11KV level in rural areas by 31st March 2018;
 - (vii.) Undertake Feeder Improvement Program for network strengthening and optimization, to be completed by Dec, 2017;
 - (viii.) Undertake Physical Feeder Segregation by March 2018 based on availability of funds sanctioned for the purpose under relevant schemes;
 - (ix.) Install Smart Meters for all consumers other than agricultural consumers consuming above 500 units / month by 31st December 2017 and consumers consuming above 200 units / month by 31st December 2019;
 - (x.) Provide electricity access to 59 lacs nos. of unconnected households as per

trajectory finalized in the 24x7 Power for All document by FY 2019;

- (xi.) Implement ERP systems for better and effective inventory management, personnel management, accounts management etc to reduce costs and increase efficiencies. 35 towns of R-APDRP under Part-'A' to be completed by June'16 and ERP in all areas of the DISCOM to be completed by March'18.
- i) The South Bihar DISCOM shall undertake the following measures for Demand Side Management and Energy Efficiency:
 - (i) Provide LED for domestic and other category consumers under DELP program through EESL;
 - (ii) Undertake consumer awareness programs for optimum utilization of resources and to foster long term behavioural changes;
 - (iii) Replace at least 10% of existing agriculture pumps with energy efficient pumps by March 2019;
 - (iv) Implement PAT scheme of BEE for improving energy efficiency in Industries.
- j) The South Bihar DISCOM shall undertake the following tariff measures:
 - (i) Revise tariff quarterly particularly to offset fuel price increase;
 - (ii) Timely filing of Tariff Petition before the BERC so that Tariff Order may be issued for the year as early as possible;
 - (iii) Prepare Annual Accounts timely which shall enable timely filing of the Tariff Petition;
- k) The South Bihar DISCOM shall undertake the following measures to increase employee engagement:
 - (i) Initiate capacity building of employees to enhance technical, managerial and professional capabilities at induction level in subsequent refresher trainings;
 - (ii) Devise Key Performance Indicators (KPIs) for each officer in-charge on areas of AT&C loss reduction and improvement in meter/billing/ collection efficiency. The performance of officer in-charge shall be linked to KPIs achieved and will attract incentive/ penalty;
- l) The South Bihar DISCOM shall implement the following Customer Service Strategy:
 - (i) Set up Centralized Customer Call Centre for timely resolution of complaints related to no current and other technical complaints, harassment by official, reporting of theft and safety related complaints;
 - (ii) Introduce more avenues to consumers for bill payment, which could be in terms of e-payment through net banking, credit/ debit card, kiosks at banks and post offices, village panchayats, mobile collection vans, etc;
- m) The South Bihar DISCOM shall procure power through the transparent process of competitive bidding.

- n) South Bihar DISCOM shall identify the key personnel for implementing the scheme (UDAY).
- o) South Bihar DISCOM shall devise the mechanism to motivate and encourage the staff.
- p) CMD / MD of South Bihar DISCOM shall monitor the performance of South Bihar DISCOM on monthly basis.
- q) Target for monthly monitoring formats shall be provided by South Bihar DISCOMs by 31st March 2016.
- r) Detailed action plan for implementation of the targeted activities as per Annexure-'C' of the MOU shall be furnished by 31st March 2016.
- s) Lender-wise details of debt in order of takeover is enclosed as Annexure-D.
- t) It is hereby agreed that this signed MOU can be put in the public domain by any of the signatory.

IN WITNESS whereof the Parties hereto have executed these presents the day, month and year first herein above written.

<p>SIGNED AND DELIVERED BY (on behalf of MOP, Govt. of India)</p> <p>Signature </p> <p>डा. अरुण कुमार वर्मा Dr. ARUN K. VERMA संयुक्त सचिव / Joint Secretary विद्युत मंत्रालय / Ministry of Power नई दिल्ली-110001 / New Delhi-110001</p> <p>Name & Designation Dr. A.K. Verma, Joint Secretary (Distribution),</p> <p>Address: Ministry of Power, Shram Shakti Bhawan, New Delhi-110001</p>	<p>in the presence of</p> <p>Signature </p> <p>Name & Designation</p> <p>Address</p>
<p>SIGNED AND DELIVERED BY (on behalf of Govt. of Bihar)</p> <p>Signature </p> <p>Pratyaya Amrit Secretary Energy Department Bihar, Patna</p> <p>Name & Designation Pratyaya Amrit, Secretary, Dept. of Energy</p> <p>Address Energy Dept., 8 Daroga Rai Path, Patna - 800 001.</p>	<p>in the presence of</p> <p>Signature </p> <p>Name & Designation (VIJAY KUMAR)</p> <p>Address G.M (Revenue)</p>
<p>SIGNED AND DELIVERED BY (on behalf SBPDCL)</p> <p>Signature </p> <p>Sandeep Kumar R. Pudakalkatti, IAS Managing Director South Bihar Power Distribution Co. Ltd. Bhawan, Patna</p> <p>Name & Designation Sandeep Kumar R. Pudkalkatti, Managing Director</p> <p>Address 2nd Floor, Vidyut Bhawan, Bailey Road, Patna - 800 001.</p>	<p>in the presence of</p> <p>Signature </p> <p>Name & Designation (S.N.S INHA)</p> <p>Address R.E (RSPHCL)</p>

Loss Reduction Targets at the Division Level (in %)

Annexure- 'A'

A. Loss reduction target for South Bihar Power Distribution Company Limited, Patna.

As per the scheme, the AT&C Loss is to be reduced to 15% in 2018-19, accordingly the AT&C Loss trajectory has been prepared which is as follows: -

Financial Year	2015-16	2016-17	2017-18	2018-19	2019-20
AT&C Loss Trajectory	44%	38%	30%	22%	15%

B. Divisionwise loss reduction target

Sl. No.	Name of Division	2014-15			15-16	16-17	17-18	18-19	19-20
		Distribution Loss	Collection Efficiency	AT & C Loss	AT&C Loss	AT & C Loss	AT & C Loss	AT & C Loss	AT & C Loss
1	New Capital Patna	11.71	100	11.71	10.00	09.00	09.00	08.00	08.00
2	Patliputra	8.44	100	8.44	8.00	08.00	08.00	08.00	08.00
3	Danapur	36.38	100	36.38	30.00	25.00	20.00	16.00	15.00
4	Gardanibagh	23.90	100	23.90	22.00	18.00	16.00	16.00	15.00
5	Dakbunglow	17.35	100	17.35	16.00	14.00	13.00	13.00	13.00
6	Bankipur	23.58	100	23.58	22.00	20.00	16.00	15.00	15.00
7	Kankarbagh-I	38.67	100	38.67	33.00	25.00	20.00	16.00	15.00
8	Kankarbagh-II (Newly created)	-	-	-	33.00	25.00	20.00	16.00	15.00
9	Gulzarbagh	41.11	100	41.11	35.00	32.00	28.00	20.00	15.00
10	Patnacity	29.68	100	29.68	25.00	23.00	18.00	16.00	15.00
11	Rajendranagar	7.53	100	7.53	07.00	07.00	07.00	07.00	07.00
12	Patna (R)	77.22	97.68	77.75	51.16	45.00	40.00	30.00	15.00
13	Bihta	50.76	86.50	57.41	52.42	44.80	35.00	30.00	15.00
14	Barh	63.56	90.93	66.87	59.08	45.00	40.00	30.00	15.00
15	Fatuha	22.45	93.31	27.63	25.35	21.84	17.00	15.00	15.00

16	Masaurhi	73.12	68.16	81.68	69.33	60.00	45.00	36.00	15.00
17	Arrah	60.52	93.51	63.08	57.92	51.00	45.00	30.00	15.00
18	Buxar	62.50	92.74	65.22	58.27	51.50	45.00	30.00	15.00
19	Biharsarif	68.31	90.85	71.21	59.12	52.50	45.00	28.00	18.00
20	Rajgir	76.63	66.54	84.45	70.06	65.00	45.00	25.00	15.00
21	Ekagarsarai	63.76	98.64	64.26	55.61	50.00	45.00	25.00	15.00
22	Sasaram	67.03	82.26	72.88	67.10	57.50	45.00	30.00	20.00
23	Dehri-on-Sone	57.53	53.25	77.38	76.04	62.50	45.00	30.00	20.00
24	Bhabhua	50.87	100	50.87	48.00	46.00	38.00	28.00	18.00
25	Gaya (R)	65.99	100	65.99	60.00	50.00	45.00	30.00	20.00
26	Nawada	64.21	68.72	75.40	69.08	60.00	45.00	30.00	20.00
27	Sherghati	78.92	49.11	89.65	80.36	67.50	45.00	30.00	20.00
28	Aurangabad	42.97	93.79	46.51	40.91	37.74	30.00	23.00	18.00
29	Jehanabad	67.69	15.35	95.04	93.86	75.00	45.00	30.00	20.00
30	Arwal	75.52	85.19	79.14	65.92	50.50	38.00	25.00	20.00
31	Bhagalpur (R)	59.41	87.40	64.53	60.67	50.50	38.00	25.00	18.00
32	Banka	68.37	88.75	71.92	64.50	50.50	38.00	25.00	18.00
33	Munger	58.08	100	58.08	59.50	45.00	38.00	25.00	19.00
34	Lakhisarai	53.69	100	53.69	50.00	45.00	36.00	28.00	20.00
35	Sekhpura	71.18	100	71.18	60.00	45.00	34.60	28.00	20.00
36	Jamui	51.98	92.73	55.47	49.00	48.30	34.60	28.00	20.00
TOTAL		45.07	98.62	45.83	44.00	38.00	30.00	22.00	15.00

Note:- Detailed action plan for achieving projected trajectory for AT&C Loss by preparing loss deduction target at Sub-division / Division / Circle / Area level, as mentioned at para 1.3 c and 1.3f, shall be submitted by 15/03/2016.

Annexure- 'B'

**Financial Projections of South Bihar Power Distribution Company
Limited, South Bihar DISCOM**

Scenario Highlights (Debt Take-over with interest liability on DISCOM):

- 75% of Outstanding Debt as on 30.9.2015 to be taken over by the State Govt. and given to the DISCOM in the form of grant.
- Take-over during 2015-16 : 50%, 2016-17 : 25%
- Take-over assumed at end of second quarter of 2016-17.
- ROI of Government of **Bihar** loan assumed to be 8.00 % p.a.
- Bonds to be taken-over in the 1st Year
- ROI of balance 25% loans: Base Rate + 0.1 % w.e.f. 01.04.2016
- OFR to be provided by Government of **Bihar**.

Other Key Assumptions:

- Tariff Hike:**

FY 15*	FY16	FY17	FY18	FY19	FY20
Nil	2.4 %	10 %	15 %	10 %	10 %

*Actual during FY 2014-15

- AT&C Loss Trajectory:**

FY 16	FY17	FY18	FY19	FY 20
44%	38%	30%	22%	15%

- Billing Efficiency:**

FY 16	FY17	FY18	FY19	FY20
62%	66%	70%	78%	85%

- Collection Efficiency:**

FY 16	FY17	FY18	FY19	FY20
90%	94%	100%	100%	100%

Income Statement -Summary

Amount in Rs. Crore (Provisional)	FY 15-16 (Projection)	FY 16-17 (Projection)	FY 17-18 (Projection)	FY 18-19 (Projection)	FY 19-20 (Projection)
Total Income	4138.67	6175.19	8707.59	11859.58	14277.88
Total Costs	6609.97	8448.31	10401.01	12667.46	13673.59
Net Income	-2471.29	-2273.12	-1693.42	-807.89	604.28
State Govt. support towards subsidy to BPL and Rural Consumers.	361.97	619.68	1009.80	1539.24	1709.39
Operational Funding Requirement (OFR)	2471.29	2273.12	1693.42	807.89	0.00
Net Income (after OFR)	0.00	0.00	0.00	0.00	604.28

Operational Funding Requirement (OFR) - Summary

Amount in Rs. Crore (Provisional)	FY 15-16 (Projection)	FY 16-17 (Projection)	FY 17-18 (Projection)	FY 18-19 (Projection)	FY 19-20 (Projection)
OFR	2471.29	2273.12	1693.42	807.89	0.00

Important DISCOM Parameters

Description	2015-16	2016-17	2017-18	2018-19	2019-20
Total energy sold	7,041.58	10,024.65	12,968.00	17,382.69	19,889.93
Energy sold within DISCOM	7,041.58	10,024.65	12,968.00	17,382.69	19,889.93
Energy traded (UI + Nepal)	125.00	166.00	202.00	243.00	255.00
energy share of DISCOM	11,346.93	15,095.76	18,412.14	22,148.88	23,256.46
Energy Requirement at State periphery	12,326.00	16,398.00	20,000.00	24,059.00	25,261.95
% increase in power availability	10%	33%	22%	20%	5%
AT&C Losses (Excluding Nepal)	44%	38%	30%	22%	15%
Collection efficiency	90.00	94.00	100.00	100.00	100.00
T&D Losses	38.00	34.00	30.00	22.00	15.00
Energy Purchase Rate	4.15	4.25	4.36	4.47	4.59
Revenue Parameters					
Tariff increase by BEREC	2.40	10.00	15.00	10.00	10.00
Effective Average Billing Rate	4.68	5.00	5.45	5.52	5.91

Income Statement - Detailed

INCOME & EXPENDITURE	2015-16	2016-17	2017-18	2018-19	2019-20
Net sales-Power	3352.12	5091.52	7180.52	9730.97	11904.97
State Govt. support towards supply to BPL and Rural Consumers.	361.97	619.68	1009.80	1539.24	1709.39
Subsidy as Operational Funding Requirement (OFR) by State. Govt	2471.29	2273.12	1693.42	807.89	
Other operating income (Meter rent, Misc Charges, etc.)	49.87	67.45	91.22	123.38	150.94
Other Income	374.71	396.53	426.06	465.98	512.58
Electricity duty being paid to Govt.	118.83	180.49	254.54	344.95	422.02
Total Income (Exclud. electricity duty)	6609.97	8448.31	10401.01	12667.46	14277.88
Total Income (excluding Subsidy & duty)	4138.67	6175.19	8707.59	11859.58	14277.88
Power Purchase (Incl. Transmission cost)	5115.29	6973.25	8720.25	10761.91	11599.75
Employee cost	279.04	374.28	427.98	490.40	514.92
R & M Cost	50.94	142.61	197.73	226.10	237.41
Admn. & General expenses	69.16	105.05	148.15	200.77	245.62
Finance Charge (Excl. interest on loans)	162.76	126.19	165.50	193.39	214.66
Others	468.08	469.73	471.54	473.54	474.64
Prior period expenses	0.00	0.00	0.00	0.00	0.00
Total expenses	6145.27	8191.10	10131.15	12346.10	13287.00
Gross Profit	464.70	257.20	269.86	321.36	990.88
Interest	399.45	109.49	44.33	42.98	42.98
Depreciation	65.25	147.72	225.53	278.38	343.61
Total expenses incl. interest & Dep.	6609.97	8448.31	10401.01	12667.46	13673.59
profit before tax	0.00	0.00	0.00	0.00	604.28
Tax	0.00	0.00	0.00	0.00	186.72
Net Profit after taxes	0.00	0.00	0.00	0.00	417.56

Operational Funding Requirement- Detailed

Particulars	FY 15-16 (Projection)	FY 16-17 (Projection)	FY 17-18 (Projection)	FY 18-19 (Projection)	FY 19-20 (Projection)
Revenue (excluding Cash Support & ED Retention)	4139	6175	8708	11860	14278
Expenditure	6610	8448	10401	12667	13674
Book Loss (-)/Profit(+)	-2471	-2273	-1693	-808	604
Add: Depreciation	65.25	147.72	225.53	278.38	343.61
Cash Loss (-)/Profit(+)	-2406.04	-2125.40	-1467.89	-529.51	947.90
Less: Dec in Current Assets (excluding cash support)	-	-	-	-	-
Less: Inc. in Current Liabilities (incl. Misc Exp)	-	-	-	-	-
Add: Inc. in Current Assets (excluding cash support)	-	-	-	-	-
Add: Dec in Current Liabilities (incl. Misc Exp)	-	-	-	-	-
Gross Operational Funding Required (OFR) (Without Government Support) – Cash basis	2406.04	2125.40	1467.89	529.51	-947.90
Proportion allowed as per FRP scheme	-	-	-	-	-
Allowed Funding (Without Government Support)	-	-	-	-	-
Less: Support from State Govt.	2471.29	2273.12	1693.42	807.89	-
Cash Support from State Govt.	-	-	-	-	-
Support on Reimbursement of Losses	-	-	-	-	-
ED retention	-	-	-	-	-
Interest Subsidy on IBRD loan	-	-	-	-	-
Total Support from State Govt.*	-	-	-	-	-
Gross Operational Funding Required (OFR) (After Government Support)	2471.29	2273.12	1693.42	807.89	-

* Projection of OFR is based on the estimated tariff increase and tariff rationalization amongst consumer categories. In case the tariff increase is lower than the projected, the requirement of OFR may change.

ACS-ARR Gap

Cost Components	2015-16	2016-17	2017-18	2018-19	2019-20
Power Purchase Cost (Rs./ Kwh)	4.15	4.25	4.36	4.47	4.59
O&M and Estt. Cost (Rs./Kwh)	0.32	0.38	0.39	0.38	0.40
Depreciation Cost (Rs./Kwh)	0.05	0.09	0.11	0.12	0.14
Interest Cost (Rs./Kwh)	0.32	0.07	0.02	0.02	0.02
Other Debits (Rs./Kwh)	0.51	0.36	0.32	0.28	0.27
ACS (Rs./Kwh)	5.36	5.15	5.20	5.27	5.41
ARR (Rs./Kwh, excluding OFR)	3.36	3.77	4.35	4.93	5.65
Gap/(Surplus)	2.00	1.39	0.85	0.34	-0.24

Annexure-C : Detailed Action Plan for implementation of targeted activities

Clause no.	Activity	Unit	Status at end of FY 2014-15	FY-2015-16		FY-2016-17		FY-2017-18		FY-2018-19		FY-2019-20		Officer Responsible	Resources in INR Cr.
				H1	H2	H1	H2	H1	H2	H1	H2	H1	H2		
1.3(a)	AT&C loss reduction	% (upto)	45.83	44		38		30		22		15		EEE of the Division and ESE of the Circle	-
1.3 (h-v)	11 KV feeder metering functional	% (upto)	50			100 (June'16)								EEE of the Division and ESE of the Circle	18 Cr.
1.3 (h-iv)	DT Metering in Urban area(Dist HQ)	Completed												EEE of the Division and ESE of the Circle	-
	DT metering in urban area other municipal and rural areas	% (upto)	100 (Pending)	Nil	Nil	50	75	100 (June'17)						EEE of the Division and ESE of the Circle	173 Cr.
1.3 (h-vi)	11 kV feeder audit in rural	% (upto)	100 (Pending)	Nil	25	40	60	80	100					EEE of the Division and ESE of the Circle	20 Cr.
1.3 (h-vii)	Feeder improvement program on feeders	% (upto)	50	60	65	80	85	90	100 (Dec'17)					EEE of the Division and ESE of the Circle	413.78 Cr.
1.3 (h-viii)	Feeder separation (separation of Ag Load) on feeders	% (upto)	100 (Pending)	Nil	Nil	Nil	15	40	100					EEE of concern Division	1956 Cr.

Detailed Action Plan for implementation of targeted activities :

Clause no.	Activity	Unit	Status at end of FY 2014-15	FY-2015-16		FY-2016-17		FY-2017-18		FY-2018-19		FY-2019-20		Officer Responsible	Resources in INR Cr.
				H1	H2	H1	H2	H1	H2	H1	H2	H1	H2		
1.3 (h-ix)	Installation of smart meters/ other than Ag. (above 500 units)	% (upto)	100 (Pending)	Nil	Nil	Nil	10	50	100 (Dec'17)					EEE of concern Division	220.15 Cr.
	Installation of smart meters/ other than Ag. (Below 500 & Above 200 units)	% (upto)	100 (Pending)	Nil	Nil	Nil	10	25	50	75	100 (Dec-19)			EEE of concern Division	213.62 Cr.
1.3 (h-x)	Domestic Connections (in lakhs) (under 24x7 PFA)	Nos. in lacs (cumulative)	59 (Pending)	2.08	2.95	8.65	32.61	38.42	45.76	52.49	59.00			EEE of concern Division	759 Cr.
1.3 (h-xi)	Implementation of ERP System		Work in progress under R-APDRP in 35 towns	35 towns of R-APDRP by 30.06.2016				Entire ERP systems by 31 st March'18						DGM (IT)	20 Cr.
1.3 (i-i)	Providing LED bulbs under DELP	Nos. in lacs	68 (Pending)	4.5	4.5	9	10	10	10	10	10			EEE of concern Division	45 Cr.

Annexure- 'D'

Lender-wise details of debt in order of takeover

Sl. No.	Bank/FI	Nature of Debts	Rate of Interest (%)	Amounts (Rs. in crore)
1	REC	RGVY	13.00	241.13
2	PFC	R-APDRP	12.50	199.30
3	Canara Bank	Term loan outside FRP 2012	11.50	246.65
4	Canara Bank	Term loan under FRP 2012	11.20	523.91
5	Canara Bank	Bond under FRP 2012	10.20	523.91
6	Canara Bank	Overdraft	9.50	91.64
Total				1826.54

Monthly monitoring form for State participating in UDAY

Name of the State :

Status as on :

A. Financial Parameters

1.	Total outstanding debt of DISCOMs as on 30.09.2015 (Rs. Crore)	1826.54
2.	Amount of unpaid overdue interest and penal interest waived off by Banks/FIs (Rs. Crore)	Nil
3.	Eligible outstanding debt of DISCOMs as on 30.09.2015 (Rs. Crore)	1826.54
4.	50% of the outstanding debt to be taken over in 2015-16 (Rs. Crore)	913.27
5.	25% of the outstanding debt to be taken over in 2016-17 (Rs. Crore)	456.64
6.	Bonds issued by the State (Rs. Crore)	-
7.	Bonds issue date	-
8.	Rate of Interest on bonds (%)	-
9.	Debt taken over by State transferred to DISCOMs in form of Grant (Rs. Crore)	-
10.	Operational Funding Requirement (OFR) support provided to DISCOMs (Rs. In core)	-
11.	Outstanding electricity dues from the State Government departments to DISCOMS (Rs. Crore)	-
12.	Outstanding (Date) electricity dues from the State Government department paid on	-
13.	Previous Year's DISCOM losses taken over by State (Rs. Crore)	-

Monthly monitoring format for States participating in UDAY

Name of the State:

Status as on:

B Operational Parameters

- 1 AT&C loss (%)
Target
Actual
- 2 Billing efficiency (%)
Target
Actual
- 3 Collection Efficiency (%)
Target
Actual
- 4 Gap ACS - ARR (Rs per unit)
Target Actual
- 5 Distribution loss (%)
Target
Actual
- 6 Total number of un metered Feeders
- 7 Number of Feeders metered in the current month
- 8 Total number of un metered Distribution Transformers (DTs)
- 9 Number of Distribution Transformers (DTs) metered in the current month
- 10 Total Number of Smart Meters to be installed
- 11 Number of Smart Meters installed in the current month
- 12 Total number of LED Lamps to be replaced
- 13 Number of LED Lamps replaced in the current month

14 Total number of Ag pumps to be replaced

15 Number of Ag pumps replaced in the current month

Monthly monitoring format for States participating in UDAY

Name of the State:

Status as on:

C. Other Managerial / monitoring activities

1	Detailed action plan achieve the projected trajectory for AT&C loss and ACS-ARR gap submitted or not?
2	Energy audit at 11 KV level started or not?
3	Key person for implementing UDAY identified or not?
4	No of awareness campaigns done for energy efficiency and theft prevention
5	Date of Review taken by CMS / MD of DISCOMs
6	Date of Review taken at State level

Status of Outstanding Debts as on 30.09.2015 from Banks/FI's

Bank/FI	Nature of Debts	Amount (in Cr)	50 % in FY 2015-16	25% in 2016-17
Canara Bank	Term Loan under FRP 2012	523.91	261.96	130.98
Canara Bank	Bond Under FRP 2012	523.91	261.96	130.98
Canara Bank	Term Loan outside FRP 2012	246.65	123.33	61.66
PFC	R-APDRP	199.30	99.65	49.83
Canara Bank	Bank Overdraft	91.64	45.82	22.91
REC	RGVY	241.13	120.57	60.28
	Total	1826.54	913.29	456.64

Outstanding Liabilities of Power Purchase as on 31/03/15 As per Audited Annual Account 2014-15 of SBPDCL

Name of the utilities	Amount in Rs.
Adani Enterprises Ltd	1,64,18,05,814
Asam State Electricity Board	70,20,000
Bihar State Power Transmission Co. Ltd.	13,07,90,000
BSHPC	28,37,615
Damodar Valley Corporation	71,69,580
GMR Kamalanga Energy Ltd	38,76,25,037
KBUNL	(28,58,52,530)
NHPC	9,82,44,698
NTPC	7,28,18,39,095
Payable to Bharat Sugar Mills	2,48,13,785
Payable to Harinagar Sugar Mills Ltd	2,69,59,438
Payable to Hasanpur Sugar Mills	26,23,399
Payable to New Swadishi Sugar Mills	35,98,878
POSOCO	29,68,343
Power Grid Corpn. Ltd.	1,32,46,59,775
PTC	42,28,20,861
RAO MPPTCL-SLDC JABALPUR	(2,500)
Sugar Mills (HPCL (Bio-Fuels) Ltd)	(1,21,01,266)
Retention From NVVNL	6,81,85,367
UI	(19,54,87,242)
West Bengal State Electricity Board	23,60,67,014
Total	11,17,65,85,160