

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2010-11 (Projected)

Sr. No.	Category of Consumer	No. of Consumers at the End of the Year (Nos.)	Connected Load at the End of the Year (KW)	Maximum Demand (MW)		Energy Sale (kWh) / Demand (kW)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	5022378	8984589			879
2	Commercial (NRS)	846810	2703701			871
3	Industrial	0				
(a)	Small Supply	85083	900716			871
(b)	Medium Supply	24921	1494743			1096
(c)	Large Supply	6394	5028820			1832
(d)	Total	116399	7424278			1567
4	Street Lighting	3103	42390			3715
5	Bulk Supply					
(a)	HT					
(b)	LT					
(c)	Total	491	221078			2296
6	Railway Traction	9	72923			2130
7	Total Metered Sales (except AP) within State (total 1 to 6)	5989190	19448959			1167
8	AP Consumption					
(a)	Metered					
(b)	Un-metered					
(c)	Total	1138459	7491002			1501
9	Total Sale Within State (7+8)	7127649	26939961			1260
10	Sales Outside State					
11	Sales to Common Pool Consumers					
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total Sales(9+10+11+12+13)	7127649	26939961			1316

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2009-10 (H1) April 09 – Sep 09

Sr. No.	Category of Consumer	No. of Consumers at the End of the Year(Nos.)	Connected Load at the End of the Year (KW)	Maximum Demand (MW)		Energy Sale (kWh) / Demand (kW)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4527052	8506407			432
2	Commercial (NRS)	762604	2457314			438
3	Industrial					
(a)	Small Supply	79702	846226			445
(b)	Medium Supply	22773	1338051			581
(c)	Large Supply	5273	4551700			913
(d)	Total	107748	6735977			788
4	Street Lighting	1818	37792			1643
5	Bulk Supply					
(a)	HT					
(b)	LT					
(c)	Total	362	200510			1215
6	Railway Traction	7	72870			1003
7	Total Metered Sales (except AP) within State (total 1 to 6)	5399591	18010870			580
8	AP Consumption					
(a)	Metered					
(b)	Un-metered					
(c)	Total					
9	Total Sale Within State (7+8)					
10	Sales Outside State					
11	Sales to Common Pool Consumers					
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total Sales (9+10+11+12+13)					

Note : Month-wise agriculture consumption data as per sample meters may also be supplied for different years separately for monoblock and submersible agricultural pumpsets.

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2009-10 (H2) Oct 09 – Mar 10 (Projected)

Sr. No.	Category of Consumer	No. of Consumers at the End of the Year(Nos.)	Connected Load at the End of the Year (KW)	Maximum Demand (MW)		Energy Sale (kWh) / Demand (kW)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4847855	8674718			422
2	Commercial (NRS)	825351	2527719			418
3	Industrial	0				
(a)	Small Supply	84241	890887			439
(b)	Medium Supply	23963	1428005			581
(c)	Large Supply	5866	4651209			985
(d)	Total	114070	6970101			833
4	Street Lighting	2861	39214			2200
5	Bulk Supply					
(a)	HT					
(b)	LT					
(c)	Total	486	216353			1162
6	Railway Traction	9	72923			1040
7	Total Metered Sales (except AP) within State (total 1 to 6)	5790633	18501027			591
8	AP Consumption					
(a)	Metered					
(b)	Un-metered					
(c)	Total	1084247	6757333			578
9	Total Sale Within State (7+8)	6874879	25258360			588
10	Sales Outside State					
11	Sales to Common Pool Consumers					
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total Sales (9+10+11+12+13)	6874879	25258360			633

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2008-09 (Actual)

Sr. No.	Category of Consumer	No. of Consumers at the End of the Year(Nos.)	Connected Load at the End of the Year (KW)	Maximum Demand (MW)		Energy Sale (kWh) / Demand (kW)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4679397	8375533			799
2	Commercial (NRS)	804436	2363191			832
3	Industrial					
(a)	Small Supply	83407	881165			843
(b)	Medium Supply	23041	1364247			1141
(c)	Large Supply	5382	4301953			2033
(d)	Total	111830	6547365			1687
4	Street Lighting	2638	36276			4052
5	Bulk Supply					
(a)	HT					
(b)	LT					
(c)	Total	481	211729			2267
6	Railway Traction	9	72923			1728
7	Total Metered Sales (except AP) within State (total 1 to 6)	5598791	17607017			1162
8	AP Consumption					
(a)	Metered					
(b)	Un-metered					
(c)	Total	1032616	6095519			1534
9	Total Sale Within State (7+8)	6631407	23702536			1258
10	Sales Outside State					
11	Sales to Common Pool Consumers					
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total Sales (9+10+11+12+13)	6631407	23702536			1377

Note: Month-wise agriculture consumption data as per sample meters may also be supplied for different years separately for monoblock and submersible agricultural pumpsets

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2008-09 (Actual)
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
GURU NANAK DEV THERMAL PLANT BHATINDA

Sr.N o.	Item	Unit	FY 2008-09 (Actual)	FY 2009-10 (R.E)	H1	FY 2009-10 (Proj)	H2	FY2010-11 (Proj)
1	2	3	4	5		6		7
1	Installed Capacity	MW	440.00		440.00		440.00	440.00
2	PLF	%	73.83		75.89		64.26	59.15
	Plant Availability*	%	89.15		92.23		79.81	71.22
3	Gross Generation	MU	2845.59		1466.64		1235.00	2280
4	Auxiliary Consumption							
5	(i)	MU	329.12		171.08		143.26	264.48
	(ii)	%	11.57		11.66		11.60	11.60
6	Net Generation	MU	2516.47		1295.56		1091.74	2015.52
7	Station Heat Rate	Kcal/kwh	3153.83		3070.16		3059.00	3010.00
8	Specific Oil Consumption	ml/kwh	2.38		2.52		2.50	2.50
9	Calorific Value of Oil	Kcal/Litre	10000.00		10000.00		10000.00	10000.00
10	Calorific Value of Coal (Weighted Average)	Kcal/Kg	4238.52		4101.99		4100.00	4100.00
11	Overall heat content	kCal	8974507.11		4502819.46		3777865.00	6862800.00
12	Heat from oil	kCal	67850.00		37000.00		30875.00	57000.00
13	Heat from coal	kCal	8906657.11		4465819.46		3746990.00	6805800.00
14	Total Oil Consumption	KL	6785.00		3700.00		3087.50	5700.00
15	Coal Transit Loss	%	1.41		1.84		2.00	2.00
16	Total Coal Consumption excluding transit loss	Tonnes	2101362.00		1088695.00		913900.00	1659951.22
17	Quantity of PANAM coal	Tonnes	1095070.00		648835.00		600000.00	1200000.00
18	Quantity of coal other than PANAM coal	Tonnes	1006292.00		439860.00		313900.00	459951.22
19	Quantity of coal other than PANAM coal including transit loss	Tonnes	1020683.64		448105.13		320306.12	469337.98
20	Total Quantity of coal required	Tonnes	2115753.64		1096940.13		920306.12	1669337.98
21	Price of Coal	Rs./Tonne	2449.00		2517.00		2642.85	2774.99
22	Price of Oil	Rs./KL	28297.00		24081.00		26489.10	29138.01
23	Total Coal Cost	Rs. Crores	19.20		8.91		8.18	16.61
24	Total Oil Cost	Rs. Crores	518.15		276.10		243.22	463.24
25	Total Fuel Cost	Rs. Crores	537.35		285.01		251.40	479.85

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY SALES YEAR 2008-09 (Actual)
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
GHTP , Lehra Mohabbat (Unit-1-3)

Sr.No.	Item	Unit	FY 2008-09 (Actual)	FY 2009-10 H1 (R.E)	FY 2009-10 H2 (Proj)	FY2010-11 (Proj)
1	2	3	4	5	6	7
1	Installed Capacity	MW	670	670	670	670
2	PLF	%	94.89%	95.84%	91.40%	81.54%
3	Plant Availability	%	95.98%	96.08%	94.00%	86.00%
4	Generation	MU	4441.92	2820.306	2675	4786
5	Auxiliary Consumption					
6	(i)	MU	386.89	241.98	240.75	430.74
7	(ii)	%	8.71%	8.58%	9.00%	9.00%
8	Net Generation	MU	4055.03	2578.32	2434.25	4355.26
9	Station Heat Rate	Kcal/kwh	2459.00	2402	2500	2500
10	Specific Oil Consumption	ml/kwh	0.80	0.46	2	2
11	Calorific Value of Oil	Kcal/Litre	9400.00	9,400	9,400	9,400
12	Calorific Value of Coal (Weighted Average)	Kcal/Kg	4076.63	4023	4025	4025
13	Overall heat	kCal	10922681.28	6774375.01	6687500.00	11965000.00
14	Heat from oil	kCal	33495.10	12195.00	50290.00	89976.80
15	Heat from coal	kCal	10889186.18	6762180.01	6637210.00	11875023.20
16	Total Oil Consumption	KL	3563.31	1297.34076	5350	9572
17	Coal Transit Loss	%	1.69	1.22	2	2
18	Total Coal Consumption excluding transit loss	Tonnes	2671124	1681020.000	1648996	2950316
19	Quantity of PANAM coal	Tonnes	2086934	1339335	1560665	2000000
20	Quantity of coal other than PANAM coal	Tonnes	584190	341685	88331	950316
21	Quantity of coal other than PANAM coal including transit loss	Tonnes	594233	345905	90134	969711
22	Total Quantity of coal required	Tonnes	2681167	1685240	1650799	2969711
23	Price of Coal	Rs./Tonne	2531	2589	2718	2854
24	Price of Oil	Rs./KL	28347	29167	32084	35292
25	Total Coal Cost	Rs. Crores	678.52	436.26	448.71	847.57
26	Total Oil Cost	Rs. Crores	10.10	3.78	17.16	33.78
27	Total Fuel Cost	Rs. Crores	688.62	440.04	465.88	881.35

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
GGSSTP ROOPNAGAR

Sr.No.	Item	unit	Prev.Year FY 2008-09 (Actual)	FY2009-10 H-1 (Actual)	FY2009-10 H-2(Proj.)	FY 2010-11 (Projected)
1	2	3	4	5	6	7
1	Installed Capacity	MW	1260.00	1260.00	1260.00	1260.00
2	PLF	%	87.07	95.11	78.13	86.07
3	Plant Availability	%	89.92	96.12	89.92	91.98
4	Generation	MU	9610.67	5263.54	4300.00	9500.00
5	Axiliary Consumption					
6	(i)	MU	801.35	433.54	365.50	807.50
7	(ii)	%	8.34	8.24	8.50	8.50
8	Net Generation	MU	8809.32	4830.00	3934.50	8692.50
9	Station Heat Rate	Kcal/kwh	2682.10	2654.47	2693.00	2697.00
10	Specific Oil Consumption	ml/kwh	0.96	0.58	1.50	1.50
11	Clorific Value of Oil	Kcal/Litre	10000.00	10000.00	10000.00	10000.00
12	Calorific Value of Coal (weighted average)	Kcal/Kg	4019.00	3979.00	4015.00	4015.00
13	Overall heat Conent	kCal	25776778.01	13971909.02	11579900.00	25621500.00
14	Heat from oil	kCal	92243.10	30734.30	64500.00	142500.00
15	Heat from coal	kCal	25684534.91	13941174.72	11515400.00	25479000.00
16	Total Oil Consumption	KL	9224.31	3073.43	6450.00	14250.00
17	Transit loss of coal	%	2.20	0.94	2.20	2.00
18	Total Coal Consumption excluding transit loss	Tonnes	6390772.00	3503691.00	2868094.65	6345952.68
19	Quantity of PANAM coal	Tonnes	2452406.00	1555520.00	1003835.00	2221100.00
20	Quantity of coal other than PANAM coal	Tonnes	3938366.00	1948171.00	1864259.65	4124852.68
21	Quantity of coal other than PANAM coal including transit loss	Tonnes	4026959.10	1966657.58	1906195.96	4209033.34
22	Total Quantity of coal required	Tonnes	6479365.10	3522177.58	2910030.96	6430133.34
23	Price of Coal	Rs./Tonne	2517.87	2652.00	2784.60	2923.83
24	Price of Oil	Rs./KL	30712.32	22613.17	24874.49	27361.94
25	Total cost of oil	Rs. Crores	28.33	6.95	16.04	38.99
26	Cost of coal	Rs. Crores	1631.42	934.08	810.33	1880.06
27	Total Fuel cost	Rs. Crores	1659.75	941.03	826.37	1919.05

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
NAME OF THERMAL PLANT : GHTP, LEHRA MOHABBAT UNIT 3 and 4

Sr.No.	Item	Unit	FY 2008-09 (Actuals) In firm Power	FY 2009-10 upto COD Infirm Power	FY 2009-10 post COD	FY 2010-11 (Projected)
1	Installed capacity	MW	250	250	250	250
2	PLF	%			79.20%	81.2%
3	Plant availability	%			92.50%	92.5%
4	Generation	MU	1168.17	1247.23	575.00	1779
5	Auxillary consumption	MU	97.53	81.89	51.75	160.11
6	Auxillary consumption	%	8.35%	6.57%	9.00%	9.00%
7	Net generation	MU	1070.64	1165.34	523.3	1618.9
8	Station heat rate	Kcal / Kwh			2500	2500
9	Specific oil consumption	ml/KWH			2.0	2.0
10	Calorific value of oil	Kcal/Litre			9400	9400
11	Net calorific value of coal (weighted average)	Kcal / Kg			4025	4025
12	Overall heat				1437500	4447500
13	Heat from oil				10810	33445.2
14	Heat from coal				1426690	4414054.8
15	Total oil consumption	KL			1150	3558
16	Coal transit loss	%			2.0	2.0
17	Total coal consumption	Tonnes			361691	1119040
18	Price of coal	Rs./Tonne			2800	2950
19	Price of oil	Rs./KL			33000	35000
20	Total coal cost	Rs. Crores	195.31	181.56	101.27	330.12
21	Total oil cost	Rs. Crores	73.04	5.39	3.80	12.45
22	Total fuel cost	Rs. Crores	268.35	186.95	105.07	342.57

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 MAINTENANCE SCHEDULE OF THERMAL POWER STATIONS YEAR
 TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
 2008-09 (Actual)

Sr. No.	Plant / Unit	Period	Days	Type of Mtc.
1	2	3	4	5
1	GNDTP			
	Unit-I	01.04.08 to 29.04.08	29	Annual Overhauling
	Unit-II	02.05.08 to 01.06.08	31	Annual Overhauling
	Unit-III	06.02.09 to 28.02.09	23	Mini Annual Overhauling
	Unit-IV	06.03.09 to 28.03.09	23	Mini Annual Overhauling
2	GGSTP			
	Unit-I	22.01.09 to 16.02.09	25	TG brg. Inspection
	Unit-II	07.05.08 to 16.05.08	15	Mini Shut Down
	Unit-III			
	Unit-IV	12.05.08 to 08.06.08	27	LPT,TG brg. Gen (Mech works)
	Unit-V	22.11.08 to 26.12.08	34	HP,IP & Gen.(Elect. & Mech.)
	Unit-VI			
3	GHTP			
	Unit-I	05-04-2008 to 18.04.2008	14	Annual Mtc.
	Unit-II	NIL		
	Unit-III	NIL		

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 MAINTENANCE SCHEDULE OF THERMAL POWER STATIONS YEAR
 TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
 2009-10 (H1) Apr 09 - Sep 09

Sr. No.	Plant / Unit	Period	Days	Type of Mtc.
1	GNDTP			
	Unit-I			
	Unit-II	01.04.09 to 30.04.09	29	Annual Overhauling
	Unit-III			
	Unit-IV			
2	GHTP			
	Unit-I			
	Unit-II	14-5-09 to 28.05.09	13.82	Annual Maintenance

MAINTENANCE SCHEDULE OF GGSSTP ROOPNAGAR FOR THE YEAR 2009-10
 APRIL 09 TO SEPTEMBER 09 (H1)

Sr. No.	Plant / Unit	To	Days	Type of Maintenance
3	GGSSTP -Unit III	01.04.09 to 19.04.09	18	TG Brg. Inspection. Availed
Total			18	

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
MAINTENANCE SCHEDULE OF THERMAL POWER STATIONS YEAR
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
2009-10 (H2) Oct 09 – Mar 10 (Projected)

Sr. No.	Plant / Unit	Period	Days	Type of Mtc.
1	GNDTP			
	Unit-I	9.10.09 to 7.11.09	30	Annual Overhauling
	Unit-II	-	-	-
	Unit-III	02.03.10 to 31.03.10	30	Annual Overhauling
	Unit-IV	01.02.10 to 31.03.10	59	R&M Cont...Up to 31.10.10
2	GHTP			
	Unit-I	20-10-2009 to 08.11.2009	20	Annual Mtc.
	Unit-II	NIL		

MAINTENANCE SCHEDULE OF GGSSTP ROOPNAGAR FOR THE YEAR 2009-10(H2)
OCTOBER 09 TO MARCH 10(PROJECTED)

Sr. No.	Plant / Unit	Period	Days	Type of Mtc.
3	GGSSTP			
	Unit-I	13.03.10 to 31.3.10 (To continued up to 26.4.10)	19	HP Module replacement DVR replacement, Stator replacement & Boiler chemical cleaning.
	Unit-II	08.11.09 to 22.12.09	45	Capital Mtc. Generator Stator
	Unit-IV	27.01.10 to 12.03.10	45	Capital Mtc. LPT cover rectification and
	Unit-VI	23.12.09 to 26.01.10	35	Capital Mtc. of IPT, LPT, Generator

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
MAINTENANCE SCHEDULE OF THERMAL POWER STATIONS YEAR
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
2010-11 (Projected)

Sr. No.	Plant / Unit	Period	Days	Type of Mtc.
1	GNDTP			
	Unit-I	01.10.10 – 30.10.10	30	Annual Overhauling
	Unit-II	01.04.10 – 30.04.10	30	Annual overhauling.
	Unit-III	01.01.11 – 31.03.11	90	R&M Contd. Up to 30.08.11
	Unit-IV	01.04.10 – 31.10.10	214	R&M Contd. from 01.02.2010
2	GHTP			
	Unit-I	13-12-10 to 24-1-10	43	Capital Mtc.
	Unit-II	01-10-2010 to 12-11-2010	43	Capital Mtc.
	Unit-III	27-04-2010 to 31-05-2010	35	1 st inspection of Generator, TG bearings and LPT overhauling
	Unit-IV	09-03-2011 to 31-03-2011 (Cont. up to 12-04-2011)	23	1 st inspection of Generator, TG bearings and LPT overhauling

Sr. No.	Plant / Unit	Period	Days	Type of Maintenance
3	GGSSTP			
	Unit-I	01.04.10 (Continuing since 13.03.10) to 26.04.10	26	HP Module replacement DVR replacement, Stator replacement & Boiler chemical cleaning.
	Unit-III	15.11.10 to 29.12.10	43	TG bearing inspection, ESP upgradation & APH sector plate replacement. Replacement of ATRS, FSSS, HPBP, STC & APRDS
	Unit-V	13.11.10 to 12.12.10	30	TG bearing inspection & Upgradation of
Total			99	

Sr. No.	Plant/Unit	Period	Days	Type of Mtc.
4	GHTP, Lehra Mohabat			
	Unit 4	01.01.2011 to 04.02.2011	35	1st inspection of Generator, TG brg. Inspection and LPT O/H

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PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
GENERATION AT PSEB HYDEL STATIONS AND SHARE FROM BBMB

Sr. No.	HYDEL STATION	FY 2008-09	FY 2009-10	FY 2009-10	FY 2010-11
		(Actuals)	H1(R.E.)	H2(Proj.)	(Proj.)
1	2	3	4	5	6
A)	OWN GENERATION				
I)	Capacity (MW)				
1	Shanan HEP	110	110	110	110
2	UBDC Hydel Project	91.35	91.35	91.35	91.35
3	Mukerian Hydel Project	207	207	207	207
4	Anandpur Sahib Hydel Project	134	134	134	134
5	Ranjit Sagar Project	600	600	600	600
6	Micro Hydel Projects	3.9	3.9	3.9	3.9
7	Total	1146.25	1146.25	1146.25	1146.25
II)	Gross Generation(MU)				
1	Shanan HEP	531.52	371.95	123.76	522.40
2	UBDC Hydel Project	338.95	246.20	135.10	383.85
3	Mukerian Hydel Project	1131.86	462.69	329.98	1221.53
4	Anandpur Sahib Hydel Project	689.28	369.30	233.81	688.46
5	Ranjit Sagar Project	1473.82	799.71	400.12	1563.77
6	Micro Hydel Projects	9.90	6.45	2.91	8.29
7	Total	4175.33	2256.31	1225.68	4388.29
8	Aux Consumption (MU)	-7.18	-3.84	-3.31	-7.54
9	Transformation Losses (MU)	-36.83	-21.61	-17.77	-38.71
10	Net Hydel Generation (MU)	4131.32	2230.85	1204.60	4342.04
B)	BBMB (MU)				
1	PSEB Share excluding Common Pool Share (Net)	4307.16	2266.76	1422.46	4101.52
2	Common Pool Share (Net)	302.29	151.67	150.47	302.21
3	Availability from BBMB	4609.45	2418.43	1572.93	4403.73
C)	Total Hydel Availability (MU)	8740.77	4649.28	2777.54	8745.77

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
ENERGY BALANCE

MU

Sr. No.	Item	FY 2008-09 (Actuals)	FY 2009-10 Projected	FY 2010-11 (Proj)
1	2	3	4	5
A)	ENERGY REQUIREMENT			
1	Energy sales to metered category within the State	20461	21379	22705
2	Energy sales to AP	9349	10363	11245
3	Total sales within the State	29810	31741	33949
4	Sales to common pool consumers	302	302	302
5	Sales outside state	2515	1383	1211
6	Total sales	32627	33427	35462
7	T&D losses			
i)	%	19.92%	19.50%	18.00%
ii)	MU	7416	7689	7452
8	Total energy requirement	40043	41116	42915
B)	ENERGY AVAILABILITY			
1	Net thermal generation	16451	17853	16682
2	Net hydel generation (own+shared)	8741	7427	8746
3	Net power purchase	14851	15836	17487
4	Total energy availability	40043	41116	42915

PUNJAB STATE ELECTRICITY BOARD												
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11												
ENTITLEMENT FROM CENTRAL GENERATING STATIONS												
Year 2008-09												
S.N.	Station	Capacity	Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out (Scheduled)	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW	(MU)	(%).	MU	(%).	MU	MU	MU	%
1	2	3	4	5	6	7	8	9	10	11	12	13
I	NTPC											
1	Singrauli	2000	10.00	200.00					14662		1722.7	11.75
2	Rihand-I	1000	11.00	110.00					7607		962.6	12.65
3	Rihand-II	1000	10.20	102.00					8236		986.8	11.98
4	Anta(G)	419	11.69	48.98					1945		261.5	13.45
5	Anta (R)			0.00					105		8.1	7.71
6	Anta(L)			0.00					302		42.1	13.94
7	Auraiya (G/F)	663	12.52	83.01					2992		410.7	13.73
8	Auraiya (R)			0.00					164		7.7	4.73
9	Auraiya (L/F)			0.00					458		71.6	15.64
10	Dadri Gas (G/F)	830	15.90	131.97					3725		624.7	16.77
11	Dadri(R)			0.00					62		4.5	7.19
12	Dadri Gas (L/F)			0.00					1251		168.0	13.43
13	Unchahar-I	420	8.57	35.99					3054		277.7	9.09
14	Unchahar-II	420	14.28	59.98					3261		524.0	16.07
15	Unchahar-III	210	8.10	17.01					1541		150.3	9.75
16	Farakha(ER)	1600	1.85	29.60					9720		296.1	3.05
17	K. Gaon-I(ER)	840	7.54	63.34					5402		540.8	10.01
18	Kahal gaon-II (ER)	1000	8.31	83.10					2805		238.1	8.49
19	Kawas (WR)										0.6	
20	Gandhar(WR)										1.3	
II	NHPC											
21	Bairasuil	180	46.5	83.70					668		310.6	46.49
22	Salal	690	26.6	183.54					3005		799.4	26.60
23	Tanakpur	94	17.93	16.85					425		65.1	15.32
24	Chamera-I	540	10.2	55.08					2139		218.3	10.21
25	Uri	480	13.75	66.00					3004		413.1	13.75
26	Chamera-II	300	10	30.00					1369		171.9	12.55
27	D.Ganga	280	10	28.00					1101		134.2	12.19
28	Dulhasti	390	8.28	32.29					2168		224.8	10.37
III	NPC											
29	NAPP	440	11.59	51.00					597		79	13.20
30	RAPP-3	220	22.73	50.01					918		220	23.96
31	RAPP-4	220	22.73	50.01					997		240	24.05
IV	Other Sources											
32	NJPC	1500	11.3	169.50					6545		754	11.52
33	Tehri	1000	8.87	88.70					3122		278	8.92
34	Tala(Thro' PTC)	1020	2.94	29.99					3874		112	2.90
35	Trading										1988	
36	Banking(direct)										839	
37	Banking(traders)										760	
38	Co-gen	69	100	69.00							198	
39	UI										483	
	Total	17825	11.04%	1968.64					97223.25		15587.82	16.03%

PUNJAB STATE ELECTRICITY BOARD												
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10												
ENTITLEMENT FROM CENTRAL GENERATING STATIONS												
Year 2009-10(H1)												
S.N.	Station	Capacity	Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out (Scheduled)	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW	(MU)	(%).	MU	(%).	MU	MU	MU	%
1	2	3	4	5	6	7	8	9	10	11	12	13
I	NTPC											
1	Singrauli	2000	10.00	200					7330		917	12.51
2	Rihand-I	1000	11.00	110					4004		540	13.49
3	Rihand-II	1000	10.20	102					3541		446	12.60
4	Anta(G)	419	11.69	49					535		74	13.82
5	Anta (R)			0					654		70	10.64
6	Anta(L)			0					125		8	6.38
7	Auraiya (G/F)	663	12.52	83					1773		254	14.31
8	Auraiya (R)			0					133		14	10.48
9	Auraiya (L/F)			0					406		22	5.38
10	Dadri Gas (G/F)	830	15.90	132					1946		332	17.06
11	Dadri(R)			0					176		22	12.39
12	Dadri Gas (L/F)			0					567		44	7.67
13	Unchahar-I	420	8.57	36					1717		160	9.34
14	Unchahar-II	420	14.28	60					1464		245	16.72
15	Unchahar-III	210	8.10	17					868		92	10.59
16	Farakha(ER)	1600	1.85	30					2260		137	6.08
17	K. Gaon-I(ER)	840	7.54	63					1718		193	11.24
18	Kahal gaon-II (ER)	1000	8.31	83					2425		202	8.31
19	Talcher	1000							129		44	34.20
20												
II	NHPC											
21	Bairasuil	180	46.5	84					417		194	46.49
22	Salal	690	26.6	184					2305		613	26.60
23	Tanakpur	94	17.93	17					268		44	16.38
24	Chamera-I	540	10.2	55					1570		160	10.21
25	Uri	480	13.75	66					1832		252	13.75
26	Chamera-II	300	10	30					1046		138	13.21
27	D.Ganga	280	10	28					795		102	12.83
28	Dulhasti	390	8.28	32					1521		167	10.98
III	NPC											
29	NAPP	440	11.59	51					368		52	14.06
30	RAPP-3	220	22.73	50					488		119	24.45
31	RAPP-4	220	22.73	50					330		80	24.31
IV	Other Sources											
32	NJPC	1500	11.3	170					5185		621	11.98
33	Tehri	1000	8.87	89					853		78	9.14
34	Tala(Thro' PTC)	1020	2.94	30					2518		75	2.97
35	Trading										2183	
36	Net Banking(direct)										519	
37	Banking(traders)										506	
38	Co-gen	69	100	69							100	
39	UI										88	
	Total	18825	10.46%	1969					51266		9906	19.32%

PUNJAB STATE ELECTRICITY BOARD														
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10														
ENTITLEMENT FROM CENTRAL GENERATING STATIONS														
Year 2009-10(H2)														
S.N.	Station	Capacity			Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out (Scheduled)	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW	(MU)	(%)	MU	(%)	MU	MU	MU	MU	%	
1	2	3	4	5	6	7	8	9	10	11	12	13		
I	NTPC													
1	Singrauli	2000	10.00	200									806	
2	Rihand-I	1000	11.00	110									440	
3	Rihand-II	1000	10.20	102									349	
4	Anta(G)	419	11.69	49									126	
5	Anta (R)			0									11	
6	Anta(L)			0									22	
7	Auraiya (G/F)	663	12.52	83									230	
8	Auraiya (R)			0									5	
9	Auraiya (L/F)			0									29	
10	Dadri Gas (G/F)	830	15.90	132									318	
11	Dadri(R)			0									2	
12	Dadri Gas (L/F)			0									89	
13	Unchahar-I	420	8.57	36									148	
14	Unchahar-II	420	14.28	60									255	
15	Unchahar-III	210	8.10	17									77	
16	Farakha(ER)	1600	1.85	30									119	
17	K. Gaon-I(ER)	840	7.54	63									225	
18	Kahal gaon-II (ER)	1500	6.74	101									290	
19	Talcher	1000											23	
II	NHPC													
20	Bairasuil	180	46.5	84									94	
21	Salal	690	26.6	184									242	
22	Tanakpur	94	17.93	17									19	
23	Chamera-I	540	10.2	55									51	
24	Uri	480	13.75	66									123	
25	Chamera-II	300	10	30									37	
26	D.Ganga	280	10	28									40	
27	Dulhasti	390	8.28	32									69	
28	Sewa-II	120	14.17	17									13	
III	NPC													
29	NAPP	440	11.59	51									44	
30	RAPP-3	220	22.73	50									123	
31	RAPP-4	220	22.73	50									131	
32	RAPP-5&6	440	10.2	45									73	
IV	Other Sources													
33	NJPC	1500	11.3	170									147	
34	Tehri	1000	8.87	89									53	
35	Tala(Thro' PTC)	1020	2.94	30									75	
36	Trading												2739	
37	Net Banking(direct)												-540	
38	Net Banking(traders)												-301	
39	Co-gen	69	100	69									116	
40	UI													
	Total	19885	10.30%	2049									6913	

PUNJAB STATE ELECTRICITY BOARD													
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10													
ENTITLEMENT FROM CENTRAL GENERATING STATIONS													
Year 2009-10(H2)													
S.N.	Station	Capacity		Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out (Scheduled)	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW	(MU)	(%)	MU	(%)	MU	MU	MU	%	
1	2	3	4	5	6	7	8	9	10	11	12	13	
	I NTPC												
1	Singrauli	2000	10.00	200								1619	
2	Rihand-I	1000	11.00	110								917	
3	Rihand-II	1000	10.20	102								914	
4	Anta(G)	419	11.69	49								285	
5	Anta (R)			0								19	
6	Anta(L)			0								38	
7	Auraiya (G/F)	663	12.52	83								444	
8	Auraiya (R)			0								29	
9	Auraiya (L/F)			0								61	
10	Dadri Gas (G/F)	830	15.90	132								647	
11	Dadri(R)			0								31	
12	Dadri Gas (L/F)			0								153	
13	Unchahar-I	420	8.57	36								284	
14	Unchahar-II	420	14.28	60								500	
15	Unchahar-III	210	8.10	17								156	
16	Farakha(ER)	1600	1.85	30								207	
17	K. Gaon-I(ER)	840	7.54	63								444	
18	Kahal gaon-II (ER)	1000	8.31	83								701	
	II NHPC												
19	Bairasuil	180	46.5	84								302	
20	Salal	690	26.6	184								855	
21	Tanakpur	94	17.93	17								67	
22	Chamera-I	540	10.2	55								223	
23	Chamera-II	300	10	30								168	
24	Uri	480	13.75	66								382	
25	D.Ganga	280	10	28								132	
26	Dulhasti	390	8.28	32								247	
27	Uri-II	240	16.25	39								50	
28	Sewa-II	120	14.17	17								76	
29	Parbati-III	390	20.51	80								15	
30	Chamera-III	231	9.96	23								11	
	III NPC												
31	NAPP	440	11.59	51								87	
32	RAPP-3	220	22.73	50								228	
33	RAPP-4	220	22.73	50								240	
34	RAPP-5&6	440	10.2	45								296	
	IV Other Sources												
35	NJPC	1500	11.3	170								706	
36	Tehri	1000	8.87	89								232	
37	Koteshwar (THDC)	400	6.4	26								30	
38	Durgapur TPS (DVC) ER	1000	20.0	200								367	
39	Raghunathpur TPS (DVC) ER	600	12.5	75								47	
40	Bhawana Gas (NR)	1370	10.00	137								827	
41	Nagarjuna TPS (SR)	1015	10.05	102								440	
42	Tala(Thro' PTC)	1020	2.94	30								106	
43	Trading											4500	
44	Net Banking(direct)											24	
45	Net Banking(traders)											205	
46	Co-gen	69	100	69								203	
47	UI												
	Total	23631	11.48%	2712								18513	

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11

FORMAT-7(C)

POWER PURCHASE COST FOR YEAR 2008-09(Actuals)

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by PSEB (MU)	AFC (Rs. Crs.)	PSEB firm share (%)	VC (Pc/Unit)	FC (Rs. Crs.)	VC (Rs.crore)	Others (Rs.crore)	Total (Rs.crore) (9+10+11)
1	2	3	4	5	6	7	8	9	10	11	12
I	NTPC										
1	Anta (G/F)	261.54	3.70	251.86	91.16	11.69	100.66	12.27	26.33	6.58	45.18
2	Anta (R/F)	8.06	3.70	7.76			853.23		6.87		6.87
3	Anta (L/F)	42.11	3.70	40.55			830.44		34.97		34.97
4	Auraiya (G/F)	410.65	3.70	395.46	136.87	12.52	124.35	18.82	51.07	10.30	80.19
5	Auraiya (R/F)	7.75	3.70	7.46			1079.89		8.37		8.37
6	Auraiya (L/F)	71.58	3.70	68.93			1113.70		79.71		79.71
7	Dadri Gas (G/F)	624.70	3.70	601.59	185.40	15.90	124.32	31.01	77.66	24.53	133.20
8	Dadri Gas (R/F)	4.46	3.70	4.29			518.80		2.31		2.31
9	Dadri Gas (L/F)	168.02	3.70	161.80			749.43		125.92		125.92
10	Singrauli	1722.72	3.70	1658.98	352.49	10.00	99.02	41.49	170.59	20.77	232.85
11	Rihand-I	962.55	3.70	926.94	344.02	11.00	112.42	43.90	108.21	26.98	179.09
12	Rihand-II	986.78	3.70	950.27	526.68	10.20	115.05	63.04	113.53	5.25	181.82
13	Unchahar-I	277.65	3.70	267.38	142.46	8.57	155.70	13.01	43.23	8.41	64.65
14	Unchahar-II	524.02	3.70	504.63	177.87	14.28	154.68	28.55	81.06	2.43	112.04
15	Unchahar-III	150.31	3.70	144.75	148.10	8.10	154.63	14.58	23.24	0.51	38.33
16	Farakha (ER)	296.09	7.44	274.05	518.33	1.85	151.35	15.16	44.81	2.51	62.49
17	Kahalgaoon-I (ER)	540.82	7.44	500.57	316.79	7.54	142.77	31.94	77.21	8.33	117.48
18	Kahalgaoon-II (ER)	238.10	7.44	220.38	515.38	8.31	157.46	19.49	37.49	0.01	56.99
19	Kawas(WR)	0.64	8.79	0.59			691.65	0.04	0.45	0.02	0.50
20	Jhanor Gandhar(WR)	1.29	8.79	1.18			647.38	0.11	0.84	0.02	0.97
II	NHPC										
21	Bairasuil	310.56	3.70	299.07	52.87	46.50	88.08	0.58	27.35	1.54	29.48
22	Salal	799.44	3.70	769.86	176.74	26.60	65.82	0.81	52.62	7.19	60.62
23	Tanakpur	65.05	3.70	62.65	46.82	17.93	88.08	2.30	5.73	0.40	8.43
24	Chamera-I	218.33	3.70	210.25	199.53	10.20	88.08	8.35	19.23	4.32	31.90
25	Chamera-II	171.88	3.70	165.52	347.37	10.00	88.08	30.47	15.14	7.72	53.33
26	Uri	413.14	3.70	397.85	274.26	13.75	83.35	13.83	34.43	8.42	56.69
27	Dauli Ganga	134.20	3.70	129.24	177.02	10.00	88.08	12.27	11.82	3.49	27.58
28	Dulhasti	224.81	3.70	216.50	497.40	8.28	88.08	40.14	19.80	15.56	75.50
III	NPC										
29	NAPP	78.84	3.70	75.92			11.59		191.20		15.07
30	RAPP-3	219.90	3.70	211.77			22.73		275.74		60.64
31	RAPP-4	239.79	3.70	230.92			22.73		275.76		66.12
IV	OTHER SOURCES										
32	NJPC	753.76	3.70	725.87	1312.43	10.13	88.22	103.39	66.49	32.89	202.77
33	TEHRI	278.34	3.70	268.04	18000/MW/Day	7.70	250.00	53.01	69.58	4.09	126.68
34	TRADERS(Short Term)	1884.47	8.90	1716.80			652.90		1230.37		1230.37
35	TRADERS(Long Term)	112.28	7.38	103.99			184.00		20.66		20.66
36	Open Access Chgs. of Traders(for col. 34&35)								15.11		15.11
37	Co-gen. including Jalkheri	198.33	0.00	198.33			374.66		74.31		74.31
38	Short Term Purchase within Punjab	103.14	0.00	103.14			369.42		38.10		38.10
39	Banking										
a)	HPSEB	297.60	3.47	287.27			300.49		89.43		89.43
b)	Rajasthan	106.38	3.40	102.76			703.07		74.79		74.79
c)	UPCL	186.26	3.47	179.80			329.57		61.39		61.39
d)	J&K	248.31	3.38	239.92			500.00		124.16		124.16
40	Banking Thro. Traders	759.68	10.15	682.55			699.93		531.73		531.73
41	Open Access Chgs. of Banking(for col. 39&40)								10.43		10.43
42	UI	483.07	0.00	483.07			613.22		296.23		296.23
43	Reactive Charges								-1.46		-1.46
44	UI (Open access)								-7.91		-7.91
45	Reactive Charges(Open Access)								-0.07		-0.07
V	Other Charges										
46	PGCIL								248.05		248.05
47	Total	15587.42	4.73	14850.51			281.43	598.55	4383.21	202.30	5184.05
47	Total	15587.42	4.73	14850.51			281.43	598.55	4383.21	202.30	5184.05

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11

FORMAT-7

POWER PURCHASE COST FOR YEAR 2009-10(H1)(ACTUALS FOR APR. 09-SEPT. 09)

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by PSEB (MU)	AFC (Rs. Crs.)	PSEB firm share (%)	VC (Pc/Unit)	FC (Rs. Crs.)	VC (Rs.crore)	Others (Rs.crore)	Total (Rs.crore) (9+10+11)
1	2	3	4	5	6	7	8	9	10	11	12
I NTPC											
1	Anta (G/F)	73.89	3.28	71.47	91.16	11.69	101.13	6.48	7.47	0.90	14.86
2	Anta (R/F)	69.53	3.28	67.25			305.05		21.21		21.21
3	Anta (L/F)	7.96	3.28	7.70			672.71		5.35		5.35
4	Auraiya (G/F)	253.62	3.28	245.30	136.87	12.52	124.49	9.76	31.57	2.96	44.30
5	Auraiya (R/F)	13.97	3.28	13.51			374.05		5.23		5.23
6	Auraiya (L/F)	21.83	3.28	21.12			796.99		17.40		17.40
7	Dadri Gas (G/F)	331.95	3.28	321.06	185.40	15.90	126.40	15.83	41.96	5.13	62.92
8	Dadri Gas (R/F)	21.76	3.28	21.05			387.21		8.43		8.43
9	Dadri Gas (L/F)	43.52	3.28	42.09			734.07		31.95		31.95
10	Singrauli	916.93	3.28	886.85	352.49	10.00	101.07	22.08	92.67	7.24	121.99
11	Rihand-I	540.02	3.28	522.31	344.02	11.00	119.86	23.24	64.73	8.88	96.85
12	Rihand-II	446.01	3.28	431.38	431.38	10.20	129.11	33.51	57.59	4.95	96.05
13	Unchahar-I	160.47	3.28	155.21	142.46	8.57	165.71	6.68	26.59	2.76	36.03
14	Unchahar-II	244.85	3.28	236.82	177.87	14.28	169.04	14.95	41.39	3.61	59.94
15	Unchahar-III	91.87	3.28	88.86	148.10	8.10	168.05	7.84	15.44	1.20	24.48
16	Farakha (ER)	137.38	6.61	128.30	518.33		208.48	7.80	28.64	1.91	38.35
17	Kahalgaoon - I (ER)	193.17	6.61	180.40	316.79		181.98	11.56	35.15	2.32	49.04
18	Kahalgaoon - II (ER)	201.51	6.61	188.19	515.38	8.31	174.07	16.50	35.08	0.01	51.58
19	Talcher (ER)	44.15	6.61	41.23	397.30		89.08	2.79	3.93	0.71	7.43
II NHPC											
20	Bairasuil	193.89	3.28	187.53	52.87	46.50	38.80	8.10	7.52	0.54	16.16
21	Salal	613.13	3.28	593.02	176.74	26.60	32.90	18.54	20.17	1.89	40.60
22	Tanakpur	43.38	3.28	41.96	46.82	17.93	59.40	2.66	2.58	0.22	5.46
23	Chamera-I	160.26	3.28	155.01	199.53	10.20	68.90	6.26	11.04	0.92	18.22
24	Chamera-II	138.14	3.28	133.61	347.37	10.00	130.26	14.35	17.99	1.25	33.60
25	Uri	251.87	3.28	243.61	274.26	13.75	61.00	16.55	15.36	2.19	34.10
26	D. Ganga	102.00	3.28	98.66	177.02	10.00	89.54	7.11	9.13	0.91	17.16
27	Dulhasti	166.99	3.28	161.51	497.40	8.28	144.90	17.04	24.20	3.34	44.58
28	SEWA-II										
III NPC											
29	NAPP	51.74	3.28	50.04		11.59	200.83		10.39		10.39
30	RAPP-3	119.44	3.28	115.53		22.73	284.59		33.99		33.99
31	RAPP-4	80.30	3.28	77.67		22.73	284.33		22.83		22.83
32	RAPP-5 & 6										
IV OTHER SOURCES											
33	NJPC	621.23	3.28	600.86	1312.43	10.13	114.10	55.47	70.88	8.51	134.87
34	TEHRI	77.90	3.28	75.35	18000/MW/Day	7.70	250.00	24.83	19.48	0.57	44.87
35	Traders(Short Term)	1731.49	9.06	1574.61			609.35		1055.07		1055.07
36	Traders(Long Term)	483.15	4.05	463.59			340.65		164.59		164.59
37	Open Access Chgs. of Traders (35+36)									23.53	23.53
38	Co-gen. including Jalkheri	100.01	0.00	100.01			381.67		38.17		38.17
39	Short term purchase within Punjab	42.73	0.00	42.73			394.18		16.85		16.85
40	Net Banking										0.00
a)	HPSSEB	279.01	4.16	267.41			303.33		84.63		84.63
b)	Rajasthan	-1.26	0.00	-1.26			591.45		-0.75		-0.75
c)	UPCL	10.13	3.85	9.74			536.66		5.44		5.44
d)	J&K	230.93	3.70	222.38			284.81		65.77		65.77
41	Net Banking Thro. Traders	506.10	10.39	453.50			455.71		230.64		230.64
42	Open Access Chgs.of Banking (40+41)									6.84	6.84
43	UI	110.83	0.00	110.83			472.92		52.41		52.41
44	Reactive Charges								3.44		3.44
45	UI (State)	-22.57	0.00	-22.57			610.73		-13.78		-13.78
V Other Charges											
46	PGCIL							138.03			138.03
47	Total	9905.23	4.84	9425.41	6937.29	328.71	256.41	487.96	2539.83	93.27	3121.06
47	Total	9905.23	4.84	9425.41	6937.29	328.71	256.41	487.96	2539.83	93.27	3121.06

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11

FORMAT-7

POWER PURCHASE COST FOR YEAR 2009-10(H2) (FOR OCT. 09- MAR. 10)

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by PSEB (MU)	AFC (Rs. Crs.)	PSEB firm share (%)	VC (Pc/Unit)	FC (Rs. Crs.)	VC (Rs.Crore)	Others (Rs.Crore)	Total (Rs.Crore) (9+10+11)
1	2	3	4	5	6	7	8	9	10	11	12
I NTPC											
1	Anta (G/F)	126.22	4.45	120.60	91.16	11.69	100.98	6.79	12.75	0.95	20.48
2	Anta (R/F)	10.70	4.45	10.22			322.05		3.45		3.45
3	Anta (L/F)	21.53	4.45	20.57			760.73		16.38		16.38
4	Auraiya (G/F)	230.08	4.45	219.84	136.87	12.52	124.53	8.92	28.65	2.70	40.28
5	Auraiya (R/F)	5.24	4.45	5.01			374.05		1.96		1.96
6	Auraiya (L/F)	29.13	4.45	27.83			883.96		25.75		25.75
7	Dadri Gas (G/F)	318.14	4.45	303.98	185.40	15.90	123.18	16.32	39.19	5.29	60.80
8	Dadri Gas (R/F)	2.43	4.45	2.32			398.61		0.97		0.97
9	Dadri Gas (L/F)	88.90	4.45	84.94			724.41		64.40		64.40
10	Singrauli	805.84	4.45	769.98	352.49	10.00	108.75	19.40	87.64	6.36	113.40
11	Rihand-I	440.49	4.45	420.89	344.02	11.00	99.78	18.96	43.95	7.24	70.15
12	Rihand-II	349.25	4.45	333.71	526.68	10.20	104.65	26.24	36.55	3.88	66.67
13	Unchahar-I	148.34	4.45	141.74	142.46	8.57	155.41	6.17	23.05	2.55	31.77
14	Unchahar-II	255.38	4.45	244.02	177.87	14.28	156.49	15.59	39.96	3.76	59.31
15	Unchahar-III	77.44	4.45	73.99	148.10	8.10	156.49	6.61	12.12	1.01	19.74
16	Farakha (ER)	118.88	7.56	109.89	518.33		174.52	6.75	20.75	1.65	29.15
17	Kahalgaon - I (ER)	225.15	7.56	208.13	316.79		149.40	13.48	33.64	2.70	49.82
18	Kahalgaon - II (ER)	289.92	7.56	268.00	515.38	8.31	144.15	23.74	41.79	0.01	65.54
19	Talcher (ER)	23.19	7.56	21.44	397.30		80.48	1.46	1.87	0.37	3.70
II NHPC											
20	Bairasuil	94.37	4.45	90.17	52.87	46.50	38.80	3.94	3.66	0.26	7.87
21	Salal	242.21	4.45	231.43	176.74	26.60	32.90	7.32	7.97	0.75	16.04
22	Tanakpur	18.73	4.45	17.90	46.82	17.93	59.40	1.15	1.11	0.09	2.36
23	Chamera-I	50.63	4.45	48.38	199.53	10.20	68.90	1.98	3.49	0.29	5.75
24	Chamera-II	37.24	4.45	35.58	347.37	10.00	133.20	3.87	4.96	0.34	9.17
25	Uri	122.70	4.45	117.24	274.26	13.75	61.00	8.06	7.48	1.07	16.61
26	D. Ganga	40.23	4.45	38.44	177.02	10.00	89.70	2.81	3.61	0.36	6.77
27	Dulhasti	68.57	4.45	65.52	497.40	8.28	150.00	7.00	10.29	1.37	18.65
28	Sewa-II	13.14	4.45	12.56			266.95		3.51		3.51
III NPC											
29	NAPP	44.00	4.45	42.04		11.59	203.97		8.97		8.97
30	RAPP-3	122.61	4.45	117.15		22.73	286.62		35.14		35.14
31	RAPP-4	130.50	4.45	124.69		22.73	286.62		37.40		37.40
32	RAPP-5&6	72.90	4.45	69.66			286.62		20.89		20.89
IV OTHER SOURCES											
33	NJPC	147.09	4.45	140.54	1312.43	10.13	114.10	13.13	16.78	2.02	31.93
34	TEHRI	52.58	4.45	50.24	18000/MW/Day	7.70	250.00	16.76	13.15	0.38	30.29
35	Traders(Short Term)	1805.82	9.85	1627.95			609.35		1100.37		1100.37
36	Traders(Long Term)	209.32	4.86	199.15			340.65		71.30		71.30
37	Open Access Chgs. of Traders (35+36)									29.89	29.89
38	Co-gen. including Jalkheri	115.95	0.00	115.95			365.20		42.34		42.34
39	Short term purchase within Punjab	107.12	0.00	107.12			396.08		42.43		42.43
40	Net Banking										
a)	HPSEB	-373.98	-0.05	-374.18			290.00		-108.45		-108.45
b)	Rajasthan	-8.70	0.00	-8.70			591.66		-5.15		-5.15
c)	UPCL										
d)	J&K	-264.10	0.00	-264.10			302.80		-79.97		-79.97
41	Net Banking Thro. Traders	-300.88	-0.11	-301.20			290.00		-87.26		-87.26
42	Open Access Chgs. of Banking (40+41)									0.11	0.11
43	UI										
44	Reactive Charges										
45	UI (State)										
V Other Charges											
46	PGCIL							138.03			138.03
47	Total	6114.30	6.93	5690.64	6937.29	328.71	276.21	374.47	1688.85	66.93	2130.25
48	Short term Power Purchase from Traders	799	9.85	720	0	0	609	0	487	0	487
47	Total	6912.83	16.78	6410.52	6937.29	328.71	885.56	374.47	2175.43	66.93	2616.83

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11

FORMAT-7

POWER PURCHASE COST FOR YEAR 2009-10(H1+H2)

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by PSEB (MU)	AFC (Rs. Crores)	PSEB firm share (%)	VC (Pc/Unit)	FC (Rs. Crores)	VC (Rs.crore)	Others (Rs.crore)	Total (Rs.crore) (9+10+11)
1	2	3	4	5	6	7	8	9	10	11	12
I	NTPC										
1	Anta (G/F)	200.11	4.02	192.07	91.16	11.69	101.03	13.27	20.22	1.85	35.33
2	Anta (R/F)	80.23	3.44	77.48			307.32		24.66		24.66
3	Anta (L/F)	29.49	4.13	28.27			736.98		21.73		21.73
4	Auraiya (G/F)	483.70	3.84	465.15	136.87	12.52	124.51	18.69	60.22	5.66	84.58
5	Auraiya (R/F)	19.21	3.60	18.52			374.05		7.19		7.19
6	Auraiya (L/F)	50.96	3.95	48.95			846.70		43.15		43.15
7	Dadri Gas (G/F)	650.09	3.85	625.05	185.40	15.90	124.83	32.15	81.15	10.42	123.72
8	Dadri Gas (R/F)	24.19	3.40	23.37			388.35		9.40		9.40
9	Dadri Gas (L/F)	132.42	4.07	127.04			727.59		96.35		96.35
10	Singrauli	1722.77	3.83	1656.83	352.49	10.00	104.66	41.48	180.31	13.60	235.39
11	Rihand-I	980.51	3.81	943.20	344.02	11.00	110.84	42.20	108.68	16.12	167.00
12	Rihand-II	795.26	3.79	765.09	526.68	10.20	118.37	59.75	94.13	8.83	162.72
13	Unchahar-I	308.81	3.84	296.95	142.46	8.57	160.76	12.85	49.65	5.31	67.80
14	Unchahar-II	500.23	3.88	480.83	177.87	14.28	162.63	30.54	81.35	7.37	119.26
15	Unchahar-III	169.31	3.82	162.85	148.10	8.10	162.76	14.44	27.56	2.21	44.21
16	Farakha (ER)	256.26	7.05	238.19	518.33		192.72	14.54	49.39	3.57	67.50
17	Kahalgaon - I (ER)	418.32	7.12	388.53	316.79		164.45	25.04	68.79	5.02	98.86
18	Kahalgaon - II (ER)	491.43	7.17	456.19	515.38	8.31	156.42	40.24	76.87	0.02	117.12
19	Taicher (ER)	67.34	6.94	62.67	397.30		86.12	4.25	5.80	1.09	11.14
II	NHPC										
20	Bairasuil	288.26	3.66	277.71	52.87	46.50	38.80	12.05	11.18	0.80	24.03
21	Salal	855.34	3.61	824.45	176.74	26.60	32.90	25.86	28.14	2.64	56.64
22	Tanakpur	62.11	3.63	59.86	46.82	17.93	59.40	3.81	3.69	0.31	7.81
23	Chamera-I	210.89	3.56	203.38	199.53	10.20	68.90	8.23	14.53	1.21	23.97
24	Chamera-II	175.38	3.53	169.19	347.37	10.00	130.89	18.22	22.95	1.58	42.76
25	Uri	374.57	3.66	360.84	274.26	13.75	61.00	24.61	22.85	3.26	50.72
26	D. Ganga	142.23	3.61	137.09	177.02	10.00	89.58	9.92	12.74	1.27	23.93
27	Dulhasti	235.56	3.62	227.03	497.40	8.28	146.38	24.04	34.48	4.71	63.23
28	SEWA-II	13.14	4.45	12.56			266.95		3.51		3.51
III	NPC										
29	NAPP	95.74	3.82	92.09		11.59	202.27		19.37		19.37
30	RAPP-3	242.05	3.87	232.68		22.73	285.62		69.14		69.14
31	RAPP-4	210.80	4.00	202.36		22.73	285.75		60.24		60.24
32	RAPP-5 & 6	72.90	4.45	69.66			286.62		20.89		20.89
IV	OTHER SOURCES										
33	NJPC	768.32	3.50	741.40	1312.43	10.13	114.10	68.61	87.67	10.53	166.80
34	TEHRI	130.48	3.75	125.59	18000/MW/Day	7.70	250.00	41.59	32.62	0.95	75.16
35	Traders(Short Term)	3537.31	9.46	3202.56			609.35		2155.45		2155.45
36	Traders(Long Term)	692.47	4.29	662.73			340.65		235.89		235.89
37	Open Access Chgs. of Traders (35+36)									53.42	53.42
38	Co-gen. including Jalkheri	215.96	0.00	215.96			372.83		80.51		80.51
39	Short term purchase within Punjab	149.85	0.00	149.85			395.54		59.27		59.27
40	Net Banking										
a)	HPSEB	-94.97	-12.42	-106.77			250.83		-23.82		-23.82
b)	Rajasthan	-9.96	0.00	-9.96			591.63		-5.89		-5.89
c)	UPCL	10.13	3.85	9.74			536.66		5.44		5.44
d)	J&K	-33.18	-25.76	-41.72			428.05		-14.20		-14.20
41	Net Banking Thro. Traders	205.22	25.79	152.30			698.67		143.38		143.38
42	Open Access Chgs.of Banking (40+41)									6.95	6.95
43	UI	110.83	0.00	110.83			472.92		52.41		52.41
44	Reactive Charges								3.44		3.44
45	UI (State)	-22.57	0.00	-22.57			610.73		-13.78		-13.78
V	Other Charges										
46	PGCIL							276.05			276.05
47	Total	16019.53	5.64	15116.05	6937.29	328.71	263.97	862.43	4228.68	160.20	5259.79
48	Short term Power Purchase from Traders	798.53	9.85	719.88			609.35		486.58		486.58
49	Total	16818.06	15.49	15835.93	6937.29	328.71	280.37	862.43	4715.26	160.20	5746.38

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11

POWER PURCHASE COST FOR YEAR 2010-11

Sr. No.	Source	Purchase (MU)	External losses (%)	Energy recd. by PSEB (MU)	AFC (Rs. Crs.)	PSEB firm share (%)	VC (Pc/Unit)	FC (Rs. Crs.)	VC (Rs.crore)	Others (Rs.crore)	Total (Rs.crore) (9+10+11)
1	2	3	4	5	6	7	8	9	10	11	12
I NTPC											
1	Anta (G/F)	284.63	3.70	274.10	91.16	11.69	106.03	14.63	30.18	2.04	46.84
2	Anta (R/F)	19.43	3.70	18.71			338.15		6.57		6.57
3	Anta (L/F)	37.53	3.70	36.14			798.77		29.98		29.98
4	Auraiya (G/F)	444.10	3.70	427.67	136.87	12.52	130.76	18.01	58.07	5.46	81.53
5	Auraiya (R/F)	29.00	3.70	27.93			392.75		11.39		11.39
6	Auraiya (L/F)	60.63	3.70	58.39			928.16		56.27		56.27
7	Dadri Gas (G/F)	647.43	3.70	623.48	185.40	15.90	129.34	33.13	83.74	10.73	127.60
8	Dadri Gas (R/F)	30.51	3.70	29.38			418.54		12.77		12.77
9	Dadri Gas (L/F)	153.13	3.70	147.46			760.63		116.48		116.48
10	Singrauli	1618.79	3.70	1558.89	352.49	10.00	114.19	38.97	184.85	12.78	236.60
11	Rihand-I	916.74	3.70	882.82	344.02	11.00	104.77	39.46	96.05	15.07	150.57
12	Rihand-II	913.57	3.70	879.77	526.68	10.20	109.88	68.64	100.39	10.14	179.17
13	Unchahar-I	284.10	3.70	273.59	142.46	8.57	163.18	11.82	46.36	4.88	63.06
14	Unchahar-II	500.24	3.70	481.73	177.87	14.28	164.31	30.54	82.20	7.37	120.10
15	Unchahar-III	155.72	3.70	149.96	148.10	8.10	164.31	13.28	25.59	2.04	40.91
16	Farakha (ER)	207.44	7.44	192.01	518.33		183.25	11.77	38.01	2.89	52.67
17	Kahalgaoon - I (ER)	443.61	7.44	410.61	316.79		156.87	26.56	69.59	5.32	101.47
18	Kahalgaoon - II (ER)	700.80	7.44	648.66	515.38	8.31	151.36	57.38	106.07	0.02	163.48
II NHPC											
19	Bairasuil	302.02	3.70	290.85	52.87	46.50	40.74	12.62	12.30	0.84	25.76
20	Salal	854.59	3.70	822.97	176.74	26.60	34.55	25.83	29.52	2.63	57.99
21	Tanakpur	66.72	3.70	64.25	46.82	17.93	62.37	4.10	4.16	0.33	8.59
22	Chamera-I	222.79	3.70	214.55	199.53	10.20	72.35	8.70	16.12	1.28	26.09
23	Chamera-II	167.97	3.70	161.76	347.37	10.00	139.86	17.45	23.49	1.52	42.46
24	Uri	381.95	3.70	367.82	274.26	13.75	64.05	25.09	24.46	3.32	52.88
25	Daull Ganga	132.47	3.70	127.57	177.02	10.00	94.19	9.24	12.48	1.19	22.90
26	Dulhasti	247.45	3.70	238.29	497.40	8.28	157.50	25.25	38.97	4.95	69.18
27	Uri-II	50.41	3.70	48.54			280.30		14.13		14.13
28	Sewa-II	75.58	3.70	72.78			280.30		21.18		21.18
29	Parbati-III	14.67	3.70	14.13			280.30		4.11		4.11
30	Chamera-III	10.52	3.70	10.13			280.30		2.95		2.95
III NPC											
31	NAPP	86.72	3.70	83.51		11.59	214.17		18.57		18.57
32	RAPP-3	228.40	3.70	219.95		22.73	300.95		68.74		68.74
33	RAPP-4	240.32	3.70	231.43		22.73	300.95		72.32		72.32
34	RAPP-5&6	295.65	3.70	284.71			300.95		88.98		88.98
IV OTHER SOURCES											
35	NJPC	706.00	3.70	679.88	1312.43	10.13	119.81	63.04	84.58	9.67	157.30
36	TEHRI (THDC)	231.97	3.70	223.39	18000/MW/Day	7.70	262.50	73.94	60.89	1.69	136.52
37	Koteswar (THDC)	30.10	3.70	28.99			262.50	9.59	7.90	0.22	17.71
38	Durgapur TPS (DVC) ER	367.20	7.44	339.88			262.70		96.46		96.46
39	Raghunathpur TPS (DVC) ER	47.43	7.44	43.90			262.70		12.46		12.46
40	Bhawana Gas (NR)	826.66	3.70	796.07			309.05		255.48		255.48
41	Nagarjuna TPS (SR)	439.95	11.32	390.15			262.70		115.57		115.57
42	Traders(Short Term)	4200.18	8.81	3830.14			609.35		2559.38		2559.38
43	Traders(Long Term)										
a)	Tala (PTC)	106.39	7.44	98.47			184.00		19.58		19.58
b)	Baglihar (PTC)	623.77	3.70	600.69			369.00		230.17		230.17
c)	Malana-II (PTC)	250.85	3.70	241.57			264.00		66.22		66.22
d)	Maithon (TATA)	370.26	7.44	342.71			258.00		95.53		95.53
44	Open Access Chgs.of Traders(42+43)									48.93	48.93
45	Co-gen. including Jalkheri	203.29	0.00	203.29			383.46		77.95		77.95
46	Short term purchase within Punjab	151.61	0.00	151.61			415.88		63.05		63.05
47	Net Banking			0.00							
a)	HPSFB	-94.97	-12.42	-106.77			290.00		-27.54		-27.54
b)	Rajasthan	-9.96	0.00	-9.96			290.00		-2.89		-2.89
c)	UPCL	10.13	3.85	9.74			290.00		2.94		2.94
d)	J&K	-33.18	-25.76	-41.72			290.00		-9.62		-9.62
48	Net Banking Thro. Traders	205.22	25.79	152.30			290.00		59.51		59.51
49	Open Access Chgs.of Banking(47+48)									6.95	6.95
50	UI										
51	Reactive Charges										
52	UI (State)										
V Other Charges											
53	PGCIL							276.05			276.05
54	Total	19459		18349	6540	329	276.21	915	5375	162	6452
	Less: Traders (Short Term)	-945.31	8.81	-862.03			609.35		-576.03		-576.03
54	Total	18513.22		17486.83	6539.99	328.71	259.20	#	4798.64	162.26	5876.00

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Employee Cost

Rs in Crore

Sr. No	Item	FY 2008-09 Actual	2009-10 RE	2010-11 Proj.
1	Basic Pay	911.88	1162.65	1364.63
2	Overtime	9.39	11.52	12.10
3	Dearness Allowance	468.35	459.04	408.49
4	Fixed medical Allowance	28.03	44.45	54.02
5	Other Allowances	122.98	186.49	230.83
6	Bonus/ Generation Incentive	50.82	90.86	113.94
7	Medical Expenses Reimbursement	10.91	13.03	13.68
	Total (1 to 7)	1602.36	1968.04	2197.69
	Terminal Benefits			
8	Earned Leave Encashment	59.20	73.93	81.83
9	Gratuity	100.48	109.99	122.47
10	Commutation of Pension	0.00	0.00	0.00
11	Workman's compensation	0.24	0.17	0.18
12	Ex-gratia	-0.12	0.00	0.00
13	Fringe Benefit Tax			
	Total (8 to 13)	159.80	184.09	204.48
	Pension Payments	0.00	0.00	0.00
14	Basic Pension	418.24	561.71	604.86
15	Dearness pension	0.00	0.00	0.00
16	Dearness Allowance	0.00	0.00	0.00
17	Any other expense	81.28	81.97	86.07
	Total	499.52	643.68	690.93
	Total Expenses	2261.68	2795.81	3093.10
Less:	Amount capitalised	117.82	120.00	126.00
	Net amount	2143.86	2675.81	2967.10
Add:	BBMB share	58.18	70.92	74.47
	Net Employee's Cost	2202.04	2746.73	3041.57
Add:	Arrear of pay revision for 1.1.06 to 31.7.09			525.00
	Total	2202.04	2746.73	3566.57

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Total Number of PSEB Employees

Sr. No.	Particulars	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	Number of employees with PSEB as on 1st April	66311	63567	62181
2	Number of employees posted with BBMB as on 1st April	807	742	652
3	PSEB employees on deputation/ foreign service as on 1st April	0	0	0
4	Total number of employees (1+2+3)	67118	64309	62833
5	Number of employees retired/retiring during the year	2809	1476	3131
6	Number of employees at the end of the year (4-5)	64309	62833	59702
7	Number/share of employees required to be posted with BBMB as per agreement	161	161	161

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Employees Productivity Parameters

Sr. No.	Particulars	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	2	3	4	5
1	Number of consumers in million	6.63	6.87	7.13
2	Connected load in KW	23702536	25258360	26939961
3	Line circuit in KM	330453	330453	330453
4	Energy sold in MU	32627	33427	35462
5	Employees per MU of energy sold	1.97	1.88	1.68
6	Employees per 1000 consumers	9698	9140	8376
7	Share of employees cost in total costs	16%	18%	21%
8	Employees cost in paise/ kwh of energy sold	67	82	101
9	Line circuit KM per employee	5.14	5.26	5.54

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Value of Assets and Depreciation Charges
Year 2010-11 (Projected)

Sr. No.	Particulars	Assets value at the beginning of the year	Rate of depreciation	Depreciation charges	Accumulated depreciation
1	2	3	4	5	6
	(i) Thermal				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(ii) Hydel				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iii) Internal combustion				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iv) Transmission				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(v) Distribution				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(vi) Others				
	Grand Total(i to vi)				

*These details are not available as the accounts are being maintained at different field offices and later compiled at the Head Office. Depreciations is being charged at the rate notified by Ministry Of Power, Govt of India .The board would like to seek waiver from compilation of this format

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Value of Assets and Depreciation Charges
Year 2009-10 (Revised Estimates)

Sr. No.	Particulars	Assets value at the beginning of the year	Rate of depreciation	Depreciation charges	Accumulated depreciation
1	2	3	4	5	6
	(i) Thermal				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(ii) Hydel				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iii) Internal combustion				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iv) Transmission				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(v) Distribution				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(vi) Others				
	Grand Total(i to vi)				

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PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Value of Assets and Depreciation Charges
Year 2008-09 (Actuals)

Sr. No.	Particulars	Assets value at the beginning of the year	Rate of depreciation	Depreciation charges	Accumulated depreciation
1	2	3	4	5	6
	(i) Thermal				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(ii) Hydel				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iii) Internal combustion				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
10	Total				
	(iv) Transmission				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(v) Distribution				
1	Land and land rights				
2	Buildings				
3	Hydraulic works				
4	Other civil works				
5	Plant and machinery				
6	Lines and cable network				
7	Vehicles				
8	Furniture and fixtures				
9	Office equipment				
	Total				
	(vi) Others				
	Grand Total(i to vi)				

*These details are not available as the accounts are being maintained at different field offices and later compiled at the Head Office. Depreciations is being charged at the rate notified by Ministry Of Power, Govt of India .The board would like to seek waiver from compilation of this format

FORM 12
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Depreciation Charges

Rs in Crore

Sr. No.	Item	Assets as on April 1 of 2008	Depreciation for FY2008-09	Assets as on April 1 of 2009	Depreciation for FY2009-10	Assets as on April 1 of 2010	Depreciation for FY2010-11
1	2	3	4	5	6	7	8
1	Thermal	3020.44	137.31	4319.19	196.35	5545.47	252.10
2	Hydel	5847.98	133.76	5957.44	136.26	5972.53	136.61
3	Internal Combustion	2.68	0.00	2.68	0.00	2.68	0.00
	Total Generation	8871.10	271.07	10279.31	332.62	11520.68	388.71
4	Transmission	1965.69	97.63	2040.46	101.34	2696.38	133.92
5	Distribution	5447.21	325.61	5975.26	357.17	7137.37	426.64
6	Others	136.74	1.83	136.74	1.83	236.74	3.17
	Total	16420.74	696.14	18431.77	792.96	21591.17	952.44
	Depreciation Capitalised		2.41				
	Total	16420.74	693.73	18431.77	792.96	21591.17	952.44

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Repair and Maintenance Charges

Rs in Crore

Sr. No	Particulars	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	2	3	4	5
1	Plant & machinery	159.94	182.33	191.45
2	Building	11.04	12.59	13.21
3	Hydraulic works & civil works	8.79	10.02	10.52
4	Line cable & network	33.85	38.59	40.52
5	Vehicles	2.99	3.41	3.58
6	Furniture & fixtures	0.08	0.09	0.10
7	Office equipments	0.24	0.27	0.29
8	Operating expenses	19.07	21.74	22.83
9	Total	236.00	269.04	282.49
10	Add BBMB share	105.78	120.59	126.62
11	Total expenses	341.78	389.63	409.11
12	Less capitalized	3.24	3.69	3.88
13	Net expenses	338.54	355.47	373.24
14	Add prior period *	-	-	
15	R & M for asset addition during year		30.47	56.00
16	Total expenses charged to revenue	338.54	385.93	429.24

*considered separately

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Administration and General Expenses

Rs in Crore

Sr. No	Item	FY 2008-09 Actual	2009-10 RE	2010-11 Proj.
1	Rent Rates & taxes	3.36	3.55	3.73
2	Insurance	0.72	0.75	0.79
3	Telephone, postage & Telegrams	6.21	6.5	6.83
4	Consultancy Fee	0.40	0.45	0.47
5	Technical Fee	0.02	0.05	0.05
6	Other Professional Charges	0.04	0.05	0.05
7	Conveyance & Travelling	17.28	18.15	19.06
8	Electricity & Water	12.72	13.35	14.02
9	Other	35.47	37.25	39.11
10	Freight	2.37	2.5	2.63
11	Other Material related expenses	8.91	9.35	9.82
12	Total Expenses	87.50	91.95	96.55
Add:	BBMB share	3.23	4.00	4.20
	Total Expenses	90.73	95.95	100.75
Less:	capitalised	19.77	20.00	21.00
	Net Expenditure	70.96	75.95	79.75
Add:	Add Prior Period			
	Total	70.96	75.95	79.75

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
of loans for the year FY 2010-11 (Projected)

(Rs. in crores)

Sl. No.	Particulars (Source)	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid
1	2	3	4	5	6	7	8
1	SLR Bonds	59.15	11.50%-12%	0.00	18.55	40.60	7.08
2	LIC	351.45	11%	0.00	55.84	295.61	36.10
3	PFC	257.93	6.50% to 12.50%	1257.41	21.31	1494.03	81.96
4	Comm. Banks						
	Long Term loan	1879.24	7.16-10.50%	639.87	165.33	2353.78	195.97
5	CSS loan						
i)	Other schemes	0.00					
ii)	APDRP	83.50		0.00	6.31	77.19	9.21
6	REC Limited						
a	Scheme loans	2346.57	8%-13.5%	1937.51	200.00	4084.08	381.27
b	MHP-II	74.08	8.50%-12.75%	41.12	10.39	104.81	10.04
c	GHTP-II	1489.86	8.50%-13.25%	37.37	205.48	1321.75	152.03
d	R&M	937.76	8%-12.75%	476.42	14.34	1399.84	133.78
7	BILL DISCOUNTING	1.45		0.00	0.00	1.45	0.00
8	Non SLR Bonds	500.00	9.01 to 12%	500.00	0.00	1000.00	78.60
9	GACL						
	Sub-Total	7980.99		4889.70	697.55	12173.14	1086.04
10	Comm. Banks						
	Medium Term loan	1110.16	9%-11.50%	0.00	474.68	635.48	83.62
	Sub-Total	9091.15		4889.70	1172.23	12808.62	1169.66
11	WCL	5969.00	10%	5969.00	5969.00	5969.00	596.90
	TOTAL	15060.15		10858.70	7141.23	18777.62	1766.56
12	GOP LOANS	1660.51	12%-13.50%	0.00	0.00	1660.51	0.00
	GRAND TOTAL	16720.66		10858.70	7141.23	20438.13	1766.56

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Details of loans for the year 2009-10 H1 (Apr 09 – Sep 09)

(Rs. in crores)

Sl. No.	Particulars (Source)	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid
1	2	3	4	5	6	7	8
1	SLR Bonds	93.84	11.50% to 12%	0.00	11.00	82.84	5.47
2	LIC	406.61	11%	0.00	45.41	361.20	22.37
3	PFC	177.09	6.50%-12.50%	0.00	28.42	148.67	6.78
4	Comm. Banks						
	Long Term loan	1341.43	7.16%-10.50%	0.00	21.42	1320.01	50.05
5	CSS loan						
i)	Other schemes	0.00					
ii)	APDRP	89.82	10.50%-12.50%	0.00	2.53	87.29	3.97
6	REC Limited						
a	Scheme loans	1874.15	8%-13.50%	328.15	99.38	2102.92	102.84
b	MHP-II	39.24	8.50%-12.75%	2.23	5.13	36.34	1.94
c	GHTP-II	1657.74	8.50%-13.25%	37.60	102.74	1592.60	84.08
d	R&M	152.89	8%-12.75%	18.12	2.88	168.13	9.03
7	BILL DISCOUNTING	1.45		0.00	0.00	1.45	
8	Non SLR Bonds	497.40	9.01%-12%	24.40	0.00	521.80	10.90
9	GACL						
	Sub-Total	6331.66		410.50	318.91	6423.25	297.43
10	Comm. Banks						
	Medium Term loan	0.00	9%-11.50%	1320.00	22.50	1297.50	25.15
	Sub-Total	6331.66		1730.50	341.41	7720.75	322.58
11	WCL	5855.00	7.90-9.24%	3989.00	3875.00	5969.00	302.23
	TOTAL	12186.66		5719.50	4216.41	13689.75	624.81
12	GOP LOANS	1660.51	12%-13.50%	0.00	0.00	1660.51	
13	Rajpura Thermal Plant	340.80	13.25%	0.00	0.00	340.80	22.76
	GRAND TOTAL	14187.97		5719.50	4216.41	15691.06	647.57

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Details of loans for the year 2009-10 H2 (Oct 09 – Mar 10)

(Rs. in crores)

Sl. No.	Particulars (Source)	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid
1	SLR Bonds	82.84	11.05%-12%	0.00	23.69	59.15	4.85
2	LIC	361.20	11.00%	0.00	9.75	351.45	19.87
3	PFC	148.67	6.50-12.50%	120.68	11.42	257.93	8.96
4	Comm. Banks						
	Long Term loan	1320.01	7.16-10.50-10%	651.00	91.77	1879.24	68.37
5	CSS loan						
i)	Other schemes	0.00					
ii)	APDRP	87.29	10.50%-12.50%	0.00	3.79	83.50	5.95
6	REC Limited						
a	Scheme loans	2102.92	8%-13.50%	353.65	110.00	2346.57	141.24
b	MHP-II	36.34	8.50%-12.75%	42.93	5.19	74.08	3.02
c	GHTP-II	1592.60	8.50%-13.25%	0.00	102.74	1489.86	83.74
d	R&M	168.13	8%-12.75%	773.04	3.41	937.76	31.35
7	BILL DISCOUNTING	1.45		0.00	0.00	1.45	
8	Non SLR Bonds	521.80	9.01%-12%	160.00	181.80	500.00	46.09
9	GACL						
	Sub-Total	6423.25		2101.30	543.56	7980.99	413.44
10	Comm. Banks						
	Medium Term loan	1297.50	9%-11.50%	0.00	187.34	1110.16	57.73
	Sub-Total	7720.75		2101.30	730.90	9091.15	471.17
11	WCL	5969.00	7.90% to 9.24%	1980.00	1980.00	5969.00	274.11
	TOTAL	13689.75		4081.30	2710.90	15060.15	745.28
12	GOP LOANS	1660.51	12%-13.50%	0.00	0.00	1660.51	0.00
13	Rajpura Thermal Plant	340.80	13.25%	0.00	340.80	0.00	15.05
	GRAND TOTAL	15691.06		4081.30	3051.70	16720.66	760.33

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Details of loans for the year 2008-09 (Actual)

(Rs. in crores)

Sl. No.	Particulars (Source)	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount of interest paid
1	SLR Bonds	123.82	11.50%-12%	0.00	29.98	93.84	12.85
2	LIC	462.81	11.00%	0.00	56.20	406.61	46.96
3	PFC	517.11	5.75% to 12.50%	2.57	342.59	177.09	29.51
4	Comm. Banks						
	Long Term loan	1391.43	7.16%-10.50%	0.00	50.00	1341.43	125.15
5	CSS loan						
i)	Other schemes						
ii)	APDRP	94.05	10.50%-12.50%	0.00	4.23	89.82	10.40
6	REC Limited						
a	Scheme loans	1406.23	8%-13.50%	651.51	183.59	1874.15	162.19
b	MHP-II	44.76	8.50%-12.75%	3.80	9.32	39.24	3.94
c	GHTP-II	1596.51	8.5% -13.25%	252.41	191.18	1657.74	161.11
d	R&M	88.98	8%-13.50%	66.74	2.83	152.89	13.08
7	BILL DISCOUNTING	1.45				1.45	
8	Non SLR Bonds	233.38	9.40%-10.15%	315.60	51.58	497.40	37.29
9	GACL						
	Sub-Total	5960.53		1292.63	921.50	6331.66	602.48
10	Comm. Banks						
	Medium Term loan	0.00		0.00	0.00	0.00	0.00
	Sub-Total	5960.53		1292.63	921.50	6331.66	602.48
11	WCL	4420.00	9%-13.50%	5855.00	4420.00	5855.00	569.54
	TOTAL	10380.53		7147.63	5341.50	12186.66	1172.02
12	GOP LOANS	1712.91	12%-13.50%	0.00	52.40	1660.51	0.00
13	Rajpura T/ Plant(REC)	0.00	13.25%	340.80	0.00	340.80	16.25
	GRAND TOTAL	12093.44		7488.43	5393.90	14187.97	1188.27

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Interest and Finance Charges

(Rs. in crores)

Sr. No.	Source of loan	FY 2008-09 (Actuals)	FY 2009-10 (RE)	H1	FY 2009-10 H2 (Proj)	FY 2010-11 (Proj)
1	SLR bonds	12.85		5.47	4.85	7.08
2	Non SLR Bonds	37.29		10.90	46.09	78.60
3	LIC	46.96		22.37	19.87	36.10
4	REC	356.57		220.65	274.40	677.12
5	Commercial Banks (Long Term)	125.15		50.05	68.37	195.97
6	Bills Discounting	0.00		0.00	0.00	0.00
7	Lease rentals	0.04		0.00	0.02	0.04
8	PFC	29.51		6.78	8.96	81.96
9	GPF	112.65		0.00	115.00	120.00
10	CSS/APDRP	10.40		3.97	5.95	9.21
12	Working Capital Loans	569.54		302.23	274.11	596.90
12a	Commercial Banks (Short Term)	0.00		25.15	57.73	83.62
13	Interest to Consumers	70.48		0.21	164.00	176.00
14	Discount to Consumers	52.45		0.24	0.00	0.00
15	TOTAL	1423.89		648.02	1039.35	2062.60
16	State Govt Loans	0.00		0.00	0.00	0.00
17	TOTAL(14+15)	1423.89		648.02	1039.35	2062.60
18	Less:Capitalistion	251.53		0.00	74.83	154.59
19	Net Interest	1172.36		648.02	964.52	1908.01
20	Add:prior period	0		0	0	0
21	Total Interest	1172.36		648.02	964.52	1908.01
22	Finance Charges	22.23		4.37	7.63	15.00
23	Total Interest And Finance	1194.59		652.39	972.15	1923.01

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Interest Capitalised
(Rs. in crores)

Sr. No.	Interest Capitalized	FY 2008-09	FY 2009-10	FY 2010-11
		Actual	RE	Projected
1	2	3	4	5
1	WIP at the end of the yr.	908.72	2101.73	3657.16
2	GFA at the end of the year	18431.76	21591.16	24369.44
3	WIP+GFA at the end of the year	19340.48	23692.89	28026.6
4	Interest (excluding interest on WCL)	731.37	843.56	1184.7
5	Interest Capitalized	251.53	74.83	154.59

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 Information regarding restructuring of outstanding loans during the year

(Rs. in crores)

Sr. No.	Source of loan	Amount of original loan (Rs. in crores)	Old rate of interest	Amount already restructured (Rs. in crores)	Revised rate of interest	Amount now being restructured (Rs. in crores)	New rate of interest
1	2	3	4	5	6	7	8
1	PFC		14% to 15%	32.17	12% TO 12.10%		

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Lease Details

Sr. No.	Name of Lesser	Gross Assets (Rs.in crores)	Lease entered on	Lease Rentals	Primary period ended/ending by	Secondary period ending by
1	2	3	4	5	6	7
1	First Leasing Co.	2.93	3.16.2000	0.04	Dec-05	Dec-09
2	Centurian Bank	29.93	3.16.2000	0.37	Dec-05	Dec-09

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Non Tariff Income

(Rs. in crores)

Sr. No.	Particulars	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	2	3	4	5
1	Meter/service rent	81.46	85.55	89.83
2	Late payment surcharge	80.56	84.50	88.73
3	Theft/pilferage of energy	63.80	67.00	70.35
4	Misc. receipts	161.79	170.00	178.50
5	Misc. charges (except PLEC)	20.84	21.90	23.00
6	Wheeling charges	2.07	2.15	2.26
7	Interest on staff loans & advance	1.16	1.21	1.27
8	Interest on advances to suppliers	0.69	0.72	0.76
9	Income from trading	6.71	7.05	7.40
10	Income staff welfare activities	0.05	0.05	0.05
11	Excess on verification	0.00	0.00	0.00
12	Investments & bank balances	50.30	52.30	54.92
13	Total income	469.43	492.43	517.05
14	Add prior period income*	0.00	0.00	0.00
15	BBMB Income	1.78	1.87	1.96
16	Total non tariff income	471.21	494.30	519.01

*Considered separately

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Investment Plan (Scheme-wise)

(Rs. in crores)

Sr. No.	Name of Scheme /Project	Approved Outlay	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	2	3	4		7
1	Ranjit Sagar Dam Project	-	-		-
2	Shahpur kandi HEP	5.00		62.68	216.20
3	Mukerian Hydro Electric Project Stage-II	50.00	6.22	4.17	45.69
4	Micro Hydel Power Houses at Ropar	-	-		
5	R&M of Bhakra Power Houses	43.15	1.99	109.72	114.35
6	Shanan & Other Board Projects	-	16.89	6.80	73.31
7	GHTP Stage-I		0.06	0.63	21.13
8	GHTP Stage-II Lehra Mohabbat	68.30	322.74	127.43	41.52
9	Gidderbaha Thermal Plant (2X660 MW)			2.00	600.00
10	Gas Based Power Plant at Roper (1000 MW)			0.40	600.00
11	Doraha gas Based Thermal Plant				
12	R&M works at Thermal Plants as per RLA study (unit I & II)	10.05		11.33	6.64
13	R&M of GNDTP Bhatinda Phase-II		71.85		
14	R&M GNDTP Bhatinda Unit-III&IV based on RLA study	140.00		132.49	227.50
15	R&M of GGSSTP Ropar under APDRP scheme	3.50	1.26	17.47	86.11
16	Transmission & Distribution including APDRP	1665.50	935.17		
17	Release of tube-well connections		82.86		
18	Revamping of ME Labs. and workshops			2055.40	2906.76
19	24 Hours supply to villages		34.88		
20	Rural Electrification (PMGY)	14.50		194.03	5.00
21	Talwandi Sabo T.P				
22	Survey & investigation of GHTP Lehra Mohabbat Extension Stage-III		6.61		
23	Rajpura T.P		442.62		
24	Misc		1.37		
25	Total	2000.00	1924.52	2724.55	4944.22

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Investment Plan (Year-wise)

(Rs. in crores)

Sr. No.	Year	Originally proposed by the Board	Approved by the Commission	Revised by the Board	Revised approval by the Commission in review	Actual expenditure	Final approval by the Commission in true up
1	2	3	4	5	6	7	8
1	FY 2008 -09	2684.26	2000.00	3682.91	1475.28*	1924.52	
2	FY 2009-10 (RE)	5016.40	2000.00	2724.55			
3	FY 2010-11 (Projects)	4944.22					

* Approved after excluding Rs.442.62 crore and Rs.6.61 crore in the Rajpura and Gidderbaha Thermal Plants

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Capital Base and Return

(Rs. in crores)

Sr. No.	Particulars	FY 2008-09 (Actuals)	FY 2009-10 (RE)	FY 2010-11 (Proj)
1	Gross block at beginning of the year	16420.74	18431.77	21591.16
2	Less accumulated depreciation	7414.33	8092.43	8873.83
3	Net block at beginning of the year	9006.41	10339.34	12717.33
4	Less accumulated consumer contribution	2149.59	2221.86	2371.86
5	Net fixed assets at beginning of the year	6856.82	8117.48	10345.47
6	Reasonable return	412.46	681.56	681.56

Sr. No.	Particulars	WIP	Fixed Assets
2	As on 31 st March of previous year (FY 2007-08)	2668.13	18431.76
	Add capital expenditure during current year (FY 2007-08)	2593	3159.4
	Total:	5261.13	21591.16
	Less transferred to fixed assets	3159.4	
3	As on 31 st March of current year (FY 2008-09)	2101.73	21591.16
	Add capital expenditure during ensuing year (FY 2008-09)	4333.73	2778.28
	Total:	6435.46	24369.44
	Less transferred to fixed assets	2778.28	
4	As on 31 st March of ensuing year (FY 2009-10)	3657.16	24369.44

Sr. No.	Particulars	Amount
1	Accumulated Depreciation	
2	As on 31 st March of previous year (FY 2008-09)	8092.43
3	Add: Depreciation for current year (FY 2009-10)	781.4
4	As on 31 st March of current year (FY 2009-10)	8873.83
5	Consumers Contribution	
6	As on 31 st March of previous year (FY 2008-09)	2221.86
7	Addition during current year (FY 2009-10)	150
8	As on 31 st March of current year (FY 2009-10)	2371.86

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Cash flow statement for the FY 2010-11 (Projections)

(Rs. in crores)

Sr. No.	Month	Sources of receipt	Amount	Particulars of payment	Amount
1	2	3	4	5	6
1	April				
2	May				
3	June				
4	July				
5	August				
6	September				
7	October				
8	November				
9	December				
10	January				
11	February				
12	March				
13	Total				

* The Format Prescribed by the commission required monthwise cashflow which would require fairly detailed asesment of timing of revenue, costs, investments and borrowings. These details have been provided by an annual cash flow statement.

The Board would like to request the commisson to consider the same for Processing of the ARR for the ensuing year.

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Original Cost of Fixed Assets

(Rs. in crores)

Format 25

Sr. No.	Assets group	Value of assets at the beginning of FY 2008-09	Addition during FY 2008-09	Closing balance at the end of FY 2008-09	Addition during the FY 2009-10	Closing balance at the end of FY 2009-10	Addition during FY 2010-11	Closing balance at the end of FY 2010-11
1	Thermal	3020.44	1298.75	4319.19	1226.28	5545.47	249.62	5795.09
2	Hydro	5847.98	109.46	5957.44	15.09	5972.53	0.00	5972.53
3	Internal combustion	2.68	0.00	2.68	0	2.68	0.00	2.68
4	Transmission	1965.69	74.77	2040.46	655.92	2696.38	842.92	3539.30
5	Distribution	5447.20	528.05	5975.25	1162.11	7137.36	1561.51	8698.87
6	Others	136.74	0.00	136.74	100	236.74	124.23	360.97
	Total	16420.73	2011.03	18431.76	3159.40	21591.16	2778.28	24369.44

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Works-in-Progress

(Rs. in crores)

Format 26

Sr. No.	Particulars	FY 2008-09	FY 2009-10	FY 2010-11
		(actual)	RE	Projected
1	Opening balance	3233.20	2668.13	2101.73
2	Add:New investment	1386.39	2593	4333.71
3	Total	4619.59	5261.13	6435.44
4	Less investment capitalized	1951.46	3159.4	2778.28
5	Closing balance	2668.13	2101.73	3657.16

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Revenue from Existing Tariff FY2008-09

(Rs. in crores)

Sr. No.	Category of consumers	Energy sales (MU)	Avg Billing Rate (p/unit)	Revenue (Rs. in crores)
1	Domestic (Inc. Others)	6695	263	1758
2	Non-Residential Supply	1967	450	884
3	Small Power	743	364	271
4	Medium Supply	1556	402	626
5	Large Supply (including PLEC)	8747	400	3496
6	Public Lighting	147	450	66
7	Bulk Supply & Grid Supply	480	390	187
8	Railway Traction	126	461	58
	Sub-total metered sales within State	20461	359	7346
9	Agriculture (relating to Temp.T/W Charges)	9349		
10	Common Pool	302	331	100
11	Outside State (Banking)	2515	555	1396
	GRAND TOTAL	32627	271	8842

* PLEC is considered in the revenue from sale

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Revenue from Existing Tariff Year 2009-10 H1 (Apr 09 – Sep 09)

(Rs. in crores)

Sr. No.	Category of consumers	Energy sales (MU)	Avg Billing Rate (p/unit)	Revenue (Rs. in crores)
1	Domestic (Inc. Others)	3671	274	1004
2	Non-Residential Supply	1078	465	501
3	Small Power	377	377	142
4	Medium Supply	777	414	321
5	Large Supply (including PLEC)	4158	409	1699
6	Public Lighting	62	528	33
7	Bulk Supply & Grid Supply	244	399	97
8	Railway Traction	73	469	34
	Sub-total metered sales within State	10438	367	3832
9	Agriculture (relating to Temp.T/W Charges)	6454		
10	Common Pool	152		
11	Outside State (Banking)	382		
	GRAND TOTAL	17427		

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Revenue from Existing Tariff Year 2009-10 (Revised Estimate)

(Rs. in crores)

Sr. No.	Category of consumers	Energy sales (MU)	Avg Billing Rate (p/unit)	Revenue (Rs. in crores)
1	Domestic (Inc. Others)	7336	337	2473
2	Non-Residential Supply	2135	512	1092
3	Small Power	768	405	311
4	Medium Supply	1607	446	717
5	Large Supply (including PLEC)	8741	440	3849
6	Public Lighting	148	550	82
7	Bulk Supply & Grid Supply	495	439	217
8	Railway Traction	149	511	76
	Sub-total metered sales within State	21379	413	8819
9	Agriculture (relating to Temp.T/W Charges)	10363	0	0
10	Common Pool	302	331	100
11	Outside State (Banking)	1383	555	768
	GRAND TOTAL	33427	290	9687

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Revenue from Existing Tariff FY2010-11

(Rs. in crores)

Sr. No.	Category of consumers	Energy sales (MU)	Avg Billing Rate (p/unit)	Revenue (Rs. in crores)
1	Domestic (Inc. Others)	7894	385	3042
2	Non-Residential Supply	2355	512	1207
3	Small Power	784	406	318
4	Medium Supply	1639	446	732
5	Large Supply (including PLEC)	9212	440	4054
6	Public Lighting	157	552	87
7	Bulk Supply & Grid Supply	508	445	226
8	Railway Traction	155	511	79
	Sub-total metered sales within State	22705	429	9745
9	Agriculture (relating to Temp.T/W Charges)	11245	285	3205
10	Common Pool	302	331	100
11	Outside State (Banking)	1211	555	672
	GRAND TOTAL	35462	387	13722

* PLEC is considered in the revenue from sale

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Year 2010-11

(Rs. in crores)

Sr. No.	Item of expense	Proposed by the Board	Approved by the Commission	Revised Projections By Board	Actuals as per accounts
1	Cost of fuel	3622.83	-	-	-
2	Cost of power purchase	5876.00	-	-	-
3	Employee cost	3566.57	-	-	-
4	R&M expenses	429.24	-	-	-
5	A&G expenses	79.75	-	-	-
6	Depreciation	952.44	-	-	-
7	Interest charges (Net of Capitalization)	1923.01	-	-	-
8	Return on Equity	681.56	-	-	-
9	Fringe Benefit Tax	0.00	-	-	-
10	Extraordinary items and debits	0.00	-	-	-
11	Total revenue requirement	17131.40	-	-	-
14	Less Non-Tariff income	519.01	-	-	-
	Net Revenue Requirement	16612.38	-	-	-
15	Revenue from existing tariff	13722.09	-	-	-
16	Likely Subsidy from GoP				
17	Gap for 2010-11	2890.29	-	-	-
18	Gap for previous year	3684.26	-	-	-
19	Total Gap	6574.56	-	-	-

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Year 2009-10

(Rs. in crores)

Sr. No.	Item of expense	Proposed by the Board	Approved by the Commission	Revised Projections By Board	Actuals as per accounts
1	Cost of fuel	3047	3196	3502	
2	Cost of power purchase	7265	4747	5746	
3	Employee cost	3455	1857	2747	
4	R&M expenses	407	376	386	
5	A&G expenses	76	76	76	
6	Depreciation	970	826	793	
7	Interest charges (Net of Capitalization)	1586	1049	1625	
8	Return on Equity	412	412	682	
9	Fringe Benefit Tax	6	-	0	
10	Extraordinary items and debits	5	-	0	
11	Total revenue requirement	17227	12538	15556	
12	Add consolidated gap for 2008-09	4205	471	1454	
13	Gross revenue requirement (11+12)	21432	13009	17009	
14	Less Non-Tariff income	444	444	494	
15	Less Revenue from existing tariff	12442	11475	9687	
16	Subsidy from GOP			3144	
17	Net Gap for 2009-10 (13-14-15)	8546	1090	3684	
18	Add carrying cost of Gaps	0	210		
19	Total gap for 2009-10 (16+17)	8546	1300	3684	
20	Energy sales (MU)		32822		

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Year 2008-09 (Actuals)

(Rs. in crores)

Sr. No.	Item of Expense	As per Board in ARR 08-09	Approved by Commission in	Revised estimates by Board	Approved by the Commission in T.O.	Actual as per Accounts/ Regulations
			T. O. for 08-09		2009-10	
1	Cost of fuel	2978	2742.62	2749	2978.85	3154.06
2	Cost of power purchase	5560.3	4186.33	6507	4414.59	5184.05
3	Employee cost	2225.01	1773.55	2243.6	1768.19	2202.04
4	R&M expenses	398.3	323.19	354.25	339.56	338.54
5	Admin & General Exp	90.34	79.29	71.93	71.93	70.96
6	Depreciation	783.32	783.34	721.74	721.5	693.73
7	Interest charges	1394.94	767.48	1207.24	537.66	1194.59
8	Carrying cost of gap	-	102.15	-	-	-
9	Return on Equity	412.5	412.46	412.46	412.46	412.46
10	Fringe Benefit Tax	5.2	4.56	5.25	4.98	4.90
11	Other Debits and Extraordinary items	7.68	0	4.81	0	5.81
12	Prior period Expenses/Income					107.60
12	Total revenue requirement	13855.59	11174.97	14277.28	11249.72	13368.74
13	Less: non tariff income	342	412	424.02	442.57	471.21
14	Net revenue requirement (12-13)	13513.59	10762.97	13853.26	10807.15	12897.53
15	Revenue from existing tariff	11397.9	11231.11	11611.76	11139.38	8842.25
16	subsidy from GOP	*	*	*	*	2601.73
17	Gap	-2115.69	468.14	-2241.5	332.23	-1453.55

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 Information regarding Wholesale Price Index (All Commodities)

(Rs. in crores)

Sr. No.	Period	WPI	Increase over previous year
1	As on April1 of previous year	228.5	8.04%
2	As on April1 of current year	231.5	1.31%
3	As on June of Current Year	235	
4	As on April1 of ensuing year	Not Available	

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PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Information regarding amount of Equity & Loan

(Rs. in crores)

Sr. No.	Period	Amt. of Equity	Amt. of Loan	Ratio of equity & loan
1	As on March 31 of previous year	2946.11	14187.97	21%
2	As on March 31 of current year	2946.11	16720.66	18%
3	As on March 31 of ending year	2946.11	20438.13	14%

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Information regarding Revenue from Other Business

(Rs. in crores)

Sr. No.	Particulars	Amount (Rs. in crores)
1	Total revenue from other business	Nil
2	Income from other business to be considered for licensed business as per regulations	Nil

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 Information regarding Bad and Doubtful Debts

(Rs. in crores)

Sr. No.	Particulars	Amount in crores)	(Rs.
1	2	3	
1	Amount of receivable bad and doubtful debts (audited)		
2	Provision made for debts in ARR for FY 2008-09	0.17	

PUNJAB STATE ELECTRICITY BOARD
 ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
 Information regarding Working Capital for the current and ensuing year

(Rs. in crores)

Sr. No.	Particulars	2009-10	2010-11
1	Two month Fuel Cost	569.98	603.80
2	One month Power Purchase Cost	478.86	489.67
3	One month Employee Cost	228.89	297.21
4	One month Administration and General Expenses	6.33	6.65
5	One month Repair and Maintenance Expenses	32.16	35.77
6	Maintenance spares @ 15% of O&M expenses	481.29	611.33
7	Total requirement for working capital	1797.52	2044.43
8	Interest Rate	12.25%	12.25%
9	Interest	220.20	250.44

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2010-11
Information regarding Foreign Exchange Rate Variation (FERV)

(Rs. in crores)

Sr. No.	Particulars		Amount (Rs. in crores)
1	Amount of liability provided		Nil
2	Amount recovered		Nil
3	Amount adjusted		Nil

PUNJAB STATE ELECTRICITY BOARD
Statement showing the amount of Government subsidy due and received
for the year 2008-09.
(Rs. In Crores)

Particulars	Consumption as per account for the FY 2008-09 (in Mus)	Revenue required			Revenue actually receivable from consumers	Amount of subsidy due from GOP	Amount of subsidy received from GOP	Amount of subsidy received from GOP excess/short (+/-)
		Energy charges	Meter rentals and service charges etc.	Total				
1	2	3	4	5	6	8	10	11
(i) AP Consumers	9349	2243.76	0.00	2243.76	0.00	2243.76	2296.97	53.21
(ii) Scheduled Castes DS Consumers	826			243.62	0.00	243.62	304.76	59.16
(iii) Non- SC BPL DS Consumers	7			1.98	0.00	1.98		
Total	10182	2243.76	0.00	2489.36	0.00	2489.36	2601.73	112.37

PUNJAB STATE ELECTRICITY BOARD
Statement showing the amount of Government subsidy due and received
for the April 09 to Sept 09
(Rs. In Crores)

Particulars	Consumption (in Mus)	Revenue required			Revenue actually receivable from consumers	Amount of subsidy due from GOP	Amount of subsidy received from GOP	Amount of subsidy received from GOP excess/short (+/-)
		Energy charges	Meter rentals and service charges etc.	Total				
1	2	3	4	5	6	8	10	11
(i) AP Consumers	6454	1839	0	1839	0	1839	1135	-704
(ii) Scheduled Castes DS Consumers	482					143	165	21
(iii) Non- SC BPL DS Consumers	5					2		
Total	6942	1839	0	1839	0	1984	1300	-683

PUNJAB STATE ELECTRICITY BOARD
Statement showing the amount of Government subsidy due and received
for FY 2009-10
(Rs. In Crores)

Particulars	Consumption for FY 2009-10 (in Mus)	Revenue required			Revenue actually receivable from consumers	Amount of subsidy due from GOP	Amount of subsidy receivable from GOP	Amount of subsidy received from GOP excess/short (+/-)
		Energy charges	Meter rentals and service charges etc.	Total				
1	2	3	4	5	6	8	10	11
(i) AP Consumers	10363	2953	0	2953	0	2953	2805	-148
(ii) Scheduled Castes DS Consumers				336	0	336	336	0
(iii) Non- SC BPL DS Consumers				4	0	4	4	0
Total	10363	2953	0	3293	0	3293	3144	-148