

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format 1

Energy Sales Year 2007-08 (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/Demand (MUs)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4494822	8054200			6491
2	Commercial (NRS)	784416	2208928			1919
3	Industrial					
(a)	Small Supply	82975	869932			738
(b)	Medium Supply	22490	1319436			1579
(c)	Large Supply	5066	4041851			8733
(d)	Total	110531	6231219	0	0	11050
4	Street Lighting	2466	33268			140
5	Bulk Supply + Grid	489	204042			501
6	Railway Traction	9	71023			113
7	Total Metered Sales (except AP) within State (total 1 to 6)	5392733	16802680	0	0	20214
8	AP Consumption					
(a)	Metered	13150	5606041			10030
(b)	Un-metered	968007				
(c)	Total	981157	5606041			10030
9	Total Sale Within State (7+8)	6373890	22408721	0	0	30244
10	Sales Outside State					1576
11	Sales to Common Pool Consumers					302
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total (9+10+11+12+13)	6373890	22408721	0	0	32122

Note : *The Restricted and Unrestricted Demand for different categories of consumers is not available
The information is not available for the state as a whole and is as shown on the table

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

**Format 1A
Energy Sales Year 2008-09 (RE)**

S.N	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/Demand (MUs)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4659024	8312907			6692
2	Commercial (NRS)	808360	2442190			2067
3	Industrial	0	0			
(a)	Small Supply	84766	891717			731
(b)	Medium Supply	23382	1370710			1555
(c)	Large Supply	5394	4208256			9081
(d)	Total	113542	6470683	0	0	11367
4	Street Lighting	3182	240136			147
5	Bulk Supply + Grid					507
6	Railway Traction	9	71023			118
7	Total Metered Sales (except AP) within State (total 1 to 6)	5584117	17536939	0	0	20898
8	AP Consumption					
(a)	Metered	1081306	6268930			9766
(b)	Un-metered					
(c)	Total	1081306	6268930			9766
9	Total Sale Within State (7+8)	6665423	23805869	0	0	30665
10	Sales Outside State					1541
11	Sales to Common Pool Consumers					303
12	Sales to Electricity Traders					
13	Sales to Other Distribution Licensees					
14	Total (9+10+11+12+13)	6665423	23805869	0	0	32509

Note : *The Restricted and Unrestricted Demand for different categories of consumers is not available
The information is not available for the state as a whole and is as shown on the table

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format 1B

Energy Sales Year 2009-10 (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/Demand (MUs)
				Restricted	Unrestricted	
1	2	3	4	5	6	7
1	Domestic	4839024	8567311			7240
2	Commercial (NRS)	833734	2626332			2320
3	Industrial	0	0			
(a)	Small Supply	87766	914083			741
(b)	Medium Supply	24132	1429457			1590
(c)	Large Supply	5644	4348610			9812
(d)	Total	117542	6692150	0	0	12143
4	Street Lighting	3348	242215			158
5	Bulk Supply + Grid					531
6	Railway Traction	9	71023			118
7	Total Metered Sales (except AP) within State (total 1 to 6)	5793657	18199031	0	0	22511
8	AP Consumption					
(a)	Metered	1141306	6914331			11699
(b)	Un-metered					
(c)	Total	1141306	6914331			11699
9	Total Sale Within State (7+8)	6934963	25113362	0	0	34210
10	Sales Outside State	0	0			1307
11	Sales to Common Pool Consumers	0	0			302
12	Sales to Electricity Traders	0	0			
13	Sales to Other Distribution Licensees	0	0			
14	Total (9+10+11+12+13)	6934963	25113362	0	0	35819

Note : *The Restricted and Unrestricted Demand for different categories of consumers is not available
The information is not available for the state as a whole and is as shown on the table

FORMAT-2A

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS

NAME OF THE THERMAL PLANT: GURU NANAK DEV THERMAL PLANT

Sr. No.	Item	Unit	FY 2007-08 (Actual)	FY 2008-09 (RE)	FY 2009-10 (Proj.)
1	2	3	4	7	8
1	Installed Capacity	MW	440	440	450
2	Generation	MU	3,008	2,748	2,330
3	Plant Availability	%	87.53%	87.85%	74.57%
4	PLF	%	77.83%	71.30%	60.45%
5	Auxiliary cons.				
	i)	MU	345	320	268
	ii)	%	11.41%	11.66%	11.50%
6	Net Generation	MU	2,663	2,428	2,062
7	Station Heat Rate	K.cal/kwh	3,047	3,037	3,000
8	Calorific value of coal(weighted Average)	K.cal/kg	4,181	4,156	4,100
9	Coal Transit Loss	%	2.04%	1.04%	2.00%
10	Total Coal Cons				
a)	Exc.Transit Loss	Tonnes	21,84,720	19,99,526	16,84,789
11	Total Oil Cons	KL	4,181	8,059	8,155
12	Specific Oil Cons.	MI/kwh	1.39	2.93	3.50
13	Calorific Value of oil	K cal/Ltr.	10,056.00	10,100.00	10,100.00
14	Price of Coal	Rs./Tonne			
a)	Indian Coal(Inc. Transit Loss)	Rs./Tonne	2,313	2,341	2,341
15	Price of Oil	Rs./KL	23,383	28,195	28,195
16	Total Coal Cost	Rs. Crores	505	468	394
17	Total Oil Cost	Rs. Crores	9.78	22.72	22.99
18	Total Fuel Cost	Rs. Crore	515	491	417

FORMAT - 2A
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS
NAME OF THE THERMAL PLANT- GGSSTP ROOPNAGAR

S.N	Item	Unit	FY 07-08 (Actuals)	FY 08-09 (RE)	FY 09-10 (Projected)
1	2	3	4	7	7
1	Installed Capacity	MW	1,260	1,260	1,260
2	Generation	MU	9,806	9,224	9,200
3	PLF	%	88.60%	83.57%	83.35%
4	Plant Availability	%	91.64%	89.61%	91.20%
5	Auxiliary Consumption				
	(i)	MU	828	790	791
	(ii)	%	8.44%	8.56%	8.60%
6	Net Generation	MU	8979	8434	8409
7	Station Heat Rate	Kcal/Kwh	2709	2692	2702
8	Calorific value of coal(weighted Avg)	Kcal/Kg	3,972	4,043	4,015
9	Coal Transit Loss	%	2.50%	2%	2%
10	Total Coal Consumption				
(a)	Indian Coal (Excl.Transit Loss)	Tonnes	66,59,874	61,05,511	61,45,600
11	Total Oil Consumption	KL	11366	14291	18400
12	Specific Oil Consumption	ml/Kwh	1.16	1.55	2.00
13	Clorific Value of Oil	Kcal/Litre	10,000	10,000	10,000
14	Price of Coal(Indian Coal)				
a)	Incl. Transit Loss	Rs./Tonne	2397	2485	2485
15	Price of Oil	Rs./KL	23254	32238	32238
16	Total Coal Cost	Rs.Crores	1596	1517	1527
17	Total Oil Cost	Rs.Crores	26.43	46.07	59.32
18	Total Fuel Cost	Rs.Crores	1623	1563	1587

NOTE: -

1. Rate of oil for FY 2008-09 (H2Actual) has been taken as Rs.32237.87 per KL i.e.Actual rate for H-I. The rate for the year 2009-10 (Proj.) has been taken as 5% rise of year2008-09(Actual H-I) i.e. Rs33850 per KL.

2. Rate of coal for FY 2008-09 (Proj.H2) has been taken as Rs. 2485.10 per MT i.e. Actual for FY 2008-09 H1.The rate of coal for FY 2009-10 has been taken by considering 5 % rise to the FY 2008-09 (H1Actual) i.e.Rs.2609 per MT.

FORMAT - 2A

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS

NAME OF THERMAL PLANT:GHTP, LEHRA MOHABBAT STAGE - I(2 x 210 MW)

Sr.No.	Item	Unit	FY 2007-08 (Actuals)	FY 2008-09 (RE)	FY 2009-10 (Projected)
1	2	3	4	7	7
1	Installed capacity	MW	420	420	420
2	Generation	MU	3508	3391	3220
3	PLF	%	95.10%	92.15%	87.52%
4	Plant availability	%	94.81%	96.17%	92.50%
5	Auxillary consumption (Gross)				
	i)	MU	311	312	290
	ii)	%	8.87%	9.21%	9.00%
6	Net generation	MU	3197	3078	2930
7	Station Heat Rate	Kcal / Kwh	2446	2499	2500
8	Gross calorific value of coal (weighted average)	Kcal / Kg	4,153	4,047	4,050
9	Coal transit loss	%	1.49%	1.03%	2.00%
10	Total coal consumption(Excluding Transit Loss)				
a)	Indian Coal	Tonnes	2064811	2079987	1972707
11	Total oil consumption	KL	800.02	5881.65	6440.00
12	Specific oil consumption	ml/KWH	0.228	1.735	2.000
13	Calorific value of oil	Kcal/Litre	9400	9400	9400
14	Price of coal(Indian Coal)	Rs./Tonne			
a)	Including Transit Loss	Rs./Tonne	2,354	2,370	2,370
15	Price of oil	Rs./KL	19250	30137	30137
16	Total coal cost	Rs. Crores	486.06	492.96	467.53
17	Total oil cost	Rs. Crores	1.54	17.73	19.41
18	Total fuel cost	Rs. Crores	487.60	510.68	486.94

FORMAT - 2A

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

TECHNICAL AND COMMERCIAL DETAILS OF THERMAL PLANTS

NAME OF THERMAL POWER PLANT:GHTP, LEHRA MOHABBAT STAGE -II (2x250 MW)

Sr. No.	Item	Unit	FY 2008-09 (RE)	FY 2009-10 (Projected)
1	2	3	4	5
1	Installed capacity	MW	500	500
2	Generation	MU	1160	3504
3	PLF	%	75.82%	80.00%
4	Plant availability	%	44.88%	90.00%
5	Auxillary consumption (Gross)			
	(i)	MU	104	315
	(ii)	%	9.00%	9.00%
6	Net generation	MU	1056	3189
7	Station heat rate	Kcal / Kwh	2500	2500
8	Calorific value of coal(weighted Average)	Kcal / Kg	4,050	4,050
9	Coal transit loss	%	2%	2%
10	Total coal consumption(Excluding Transit Loss)			
a)	Indian Coal	Tonnes	710665	2146697
11	Total oil consumption	KL	2320	7008
12	Specific oil consumption	ml/KWH	2.0	2.0
13	Calorific value of oil	Kcal/Litre	9400	9400
14	Price of coal	Rs./Tonne		
a)	Including Transit Loss	Rs./Tonne	2,490	2,490
15	Price of oil	Rs./KL	30137	30137
16	Total coal cost	Rs. Crores	176.96	534.53
17	Total oil cost	Rs. Crores	6.99	21.12
18	Total fuel cost	Rs. Crores	183.95	555.65

FORMAT - 3
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
MAINTENANCE SCHEDULE OF THERMAL STATIONS YEAR
APRIL-07 to MARCH-08

Sr	Plant/Unit	Period	Days	Type of Mtc.
1	2	3	4	5
1	GNDTP			
	Unit-I	-	-	-
	Unit-II	24.4.07 to 23.5.07	30	Annual Overhauling
	Unit-III	06.02.08 to 29.02.08	24	Annual Overhauling
	Unit-IV	05.03.08 to 24.03.08	20	Mini Annual Overhauling
2	GGSTP, Roopnagar			
	Unit I	1.4.07 to 15.4.07	14	Mini Shut-Down
	Unit-II	-	-	-
	Unit-III	18.9.07 to 3.11.07	46	HP/IP Inspection, Gen. Elect. O/H.
	Unit IV	18.4.07 to 17.5.07	30	Capital Mtc. of Condenser Tubes Repl.
	Unit-V	21.5.07 to 3.6.07	14	Mini Shut-Down
	Unit-VI	19.2.08 to 18.3.08	28	HP, TG Brg. Inspection.
		Total	132	
3	GHTP, Lehra Mohabat, Stage I			
	Unit I	NIL		
	Unit II	16-11-2007 to 14.12.2007	28.47	Capital Mtc.
4	GHTP, Lehra Mohabat, Stage II			
	Unit III	NIL		
	Unit IV	NIL		

FORMAT - 3A
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
MAINTENANCE SCHEDULE OF THERMAL STATIONS YEAR
2008-09 (H1) APRIL-08 to SEPTEMBER-08

Sr.	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	-	-	-
	Unit-IV	-	-	-
2	GGSTP, Roopnagar			
	Unit-II	1.5.08 to 15.5.08	15	Mini Shut-Down.
	Unit-IV	12.5.08 to 8.6.08	27	LPT.TG Brg. Gen.(Mech.works)
		Total	42	
3	GHTP, Lehra Mohabat Stage I			
	Unit I	05-04-2008 to 18.04.2008	13.95	Annual Mtc.
	Unit-II	NIL		
4	GHTP, Lehra Mohabat,Stage II			
	Unit III	NIL		
	Unit-IV	NIL		

FORMAT - 3 B
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
MAINTENANCE SCHEDULE OF THERMAL STATIONS YEAR
2008-09 (H2) OCTOBER-08 to MARCH-09 (PROJECTED)

Sr.	Plant/Unit	Period	Days	Type of Mtc.
1	2	3	4	5
1	GNDTP			
	Unit-I	-	-	-
	Unit-II	-	-	-
	Unit-III	01.02.08 to 02.03.08	30	Annual Overhauling
	Unit-IV	01.03.08 to 31.03.08	31	R&M Cont...Upto29.11.2009
2	GGSTP, Roopnagar			
	Unit V	17.11.08 to 31.12.08	45	HP. IP. & Gen.
		1.2.09 to 7.3.09	35	TG Brg. Insp. Platen SH coil replacement, DVR replacement.
	Unit-I			
		Total	80	
3	GHTP, Lehra Mohabat			
	Unit II	NIL		
	Unit-I	NIL		
4	GHTP, Lehra Mohabat, Stage II			
	Unit III	NIL		
	Unit-IV	NIL		

FORMAT - 3C
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
MAINTENANCE SCHEDULE OF THERMAL STATIONS YEAR
2009-10 APRIL-09 to MARCH-10 (PROJECTED)

Sr	Plant/Unit	Period	Days	Type of Mtc.
1	2	3	4	5
1	GNDTP			
	Unit-I	01.04.09 – 30.04.09	30	Annual Overhauling
	Unit-II	02.05.09 – 31.05.09	30	Annual overhauling.
	Unit-III	01.03.10 – 31.03.10	31	R&M Cont...Upto30.10.2010.
	Unit-IV	01.04.09 – 29.11.09	274	R&M Contd. from 01.03.09...Upto 29.11.09
2	GGSSTP, Roopnagar			
	Unit I	-	-	-
	Unit-II	21.10.09 to 4.12.09	45	Stator, DVR, GT Tap. Replacement, TG. Brq Inspection.
	Unit-III	1.4.09 to 20.4.09	20	Mini Shut-Down.
	Unit-IV	1.2.10 to 17.3.10	45	Replacement of ATRS, FSSS, HPBP, STC, & APRDS control sys.LP cover rectification, ESP Modification.
	Unit-V	-	-	-
	Unit-VI	16.9.09 to 20.10.09	35	IP, LPT, & Gen.(Mech.&elect.) Boiler Chem. cleaning.
		Total	145	
3	GHTP, Lehra Mohabat, Stage I			
	Unit I	01-10-2009 to 20.10.2009	20	Annual Mtc.
	Unit-II	15-04-2009 to 04-05-2009	20	Annual Mtc.
4	GHTP, Lehra Mohabat, Stage II			
	Unit-III	01-03-2010 to 25-03-2010	25	1 st inspection of Generator stator & rotor and TG bearings

FORMAT-4

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

GENERATION AT PSEB HYDEL STATIONS AND SHARE FROM BBMB

S.N	HYDEL STATION	FY 2007-08	FY 2008-09	FY 2009-10
		(Actuals)	(RE.)	(Proj.)
1	2	3	6	6
A)	OWN GENERATION			
I)	Capacity (MW)			
1	Shanan HEP	110	110	110
2	UBDC Hydel Project	91	91	91
3	Mukerian Hydel Project	207	207	207
4	Anandpur Sahib Hydel Project	134	134	134
5	Ranjit Sagar Project	600	600	600
6	Micro Hydel Projects	4	4	4
7	Total	1146	1146	1146
II)	Gross Generation(MU)			
1	Shanan HEP	540	507	515
2	UBDC Hydel Project	428	311	448
3	Mukerian Hydel Project	1362	797	1257
4	Anandpur Sahib Hydel Project	710	726	695
5	Ranjit Sagar Project	1538	1539	1744
6	Micro Hydel Projects	7	8	7
7	Total	4586	3888	4665
8	Aux Consumption (MU)	8	8	61
9	Transformation Losses (MU)	50	39	
10	Net Hydel Generation (MU)	4,527	3,840	4,604
11	Diversion to BBMB from ASHP	59	44	0
12	Royalty to HP from Shanan(MU)	53	53	53
	Royalty from RSD to HP(MU)	70	71	80
B)	BBMB (MU)			
13	PSEB Share excluding Common Pool Share (Gross)	4327	4256	4323
14	Common Pool Share (Net)	302	303	302
15	Availability from BBMB	4629	4558	4625
	External Losses on BBMB	3.95%	3.95%	3.95%
	Net Availability	4458	4390	4454
C)	Total Hydel Availability (MU)	8986	8231	9058

Note: 1. Transmission losses of NR are applicable on BBMB Energy . NR Transmission losses are not applicable on common pool share.

2. Generation from ASHP includes the effect of diversion from NHC to AHC.

FORMAT-5
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
ENERGY BALANCE (MU)

Sr. No.	Item	FY 2007-08	FY 2008-09	FY 2008-09	FY 2008-09	FY 2009-10
		(Actuals)	H1 (R.E)	H2 (Proj)	(RE)	(Proj)
1	2	3	4	5	6	7
A) ENERGY REQUIREMENT						
1	Energy sales to metered category within the State	20,214	10,115	10,783	20,898	22,511
2	Energy sales to AP	10,030	5,726	4,041	9,766	11,699
3	Total sales within the State	30,244	15,841	14,824	30,665	34,210
4	Sales to common pool consumers	302	152	151	303	302
5	Sales outside state	1,576	571	970	1,541	1,307
6	Sales to electricity traders					
7	Sales to other distribution licensees					
8	Total sales	32,122	16,564	15,945	32,509	35,819
9	T&D Losses					
i)	%	22.53%	27.00%	13.39%	21.00%	19.50%
ii)	MU	8796	5859	2292	8151	8287
10	Total energy requirement	40,918	22,423	18,237	40,660	44,106
B) ENERGY AVAILABILITY						
1	Net thermal generation	14,959	7,565	8,105	15,670	16,590
2	Net hydel generation (own+shared)	8,986	5,068	3,163	8,231	9,058
3	Net power purchase	16,974	9,791	6,969	16,759	18,458
4	Total energy availability	40,918	22,423	18,237	40,660	44,106

FORMAT-6
PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
ENTITLEMENT FROM CENTRAL GENERATING STATIONS
Year 2007-08

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
1	2	3	4	5	6	7	8	9	10	11	12	13	
I	NTPC												
1	Singrauli	2000	10.00	200					14894		1693	11.37	
2	Rihand-I	1000	11.00	110					7783		961	12.35	
3	Rihand-II	1000	10.20	102					7727		893	11.56	
4	Anta(G)	419	11.69	49					1950		278	14.28	
5	Anta (R)			0					204		31	15.09	
6	Anta(L)			0					280		42	15.02	
7	Auraiya (G/F)	663	12.52	83					3161		423	13.38	
8	Auraiya (R)			0					389		50	12.93	
9	Auraiya (L)			0					348		51	14.72	
10	Dadri Gas (G/F)	830	15.90	132					3521		581	16.51	
11	Dadri(R)			0					379		57	14.92	
12	Dadri Gas (L/F)			0					1111		190	17.11	
13	Unchahar-I	420	8.57	36					3178		285	8.96	
14	Unchahar-II	420	14.28	60					3338		521	15.60	
15	Unchahar-III	210	8.10	17					1708		161	9.43	
16	Farakha(ER)	1600	4.18	67					1798		295	16.40	
17	K. Gaon-I(ER)	840	12.27	103					3399		634	18.65	
18	Kahal gaon-II	500	3.53	18					0		0	10.47	
19	Kawas (WR)								0		31		
20	Gandhar(WR)												
II	NHPC												
21	Bairasuil	180	46.5	84					594		276	46.50	
22	Salal	690	26.6	184					3194		852	26.68	
23	Tanakpur	94	17.9	17					431		66	15.26	
24	Chamera-I	540	10.2	55					2081		212	10.21	
25	Uri	480	13.8	66					2552		351	13.76	
26	Chamera-II	300	10	30					1391		170	12.25	
27	D.Ganga	280	10	28					1167		141	12.12	
28	Dulhasti	390	8.28	32					2163		270	12.49	
III	NPC												
29	NAPP	440	11.6	51					531		73	13.67	
30	RAPP-3	220	22.7	50					945		238	25.17	
31	RAPP-4	220	22.7	50					882		226	25.60	
IV	Other Sources												
32	NJPC	1500	10.1	152					6331		725	11.45	
33	Tehri	1000	7.7	77					2577		227	8.79	
34	Tala(Thro' PTC)	1020	2.94	30					485		95	19.60	
35	Trading										2658		
36	Banking(direct)										736		
37	Banking(traders)										1133		
38	Co-gen	77	100	77							233		
39	UI										1952		
40	Total										17812		

FORMAI -6A

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

ENTITLEMENT FROM CENTRAL GENERATING STATIONS FOR YEAR 2008-09(April-Sep 2008)

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
1	2	3	4	5	6			8	9	10	11	12	13
I	NTPC												
1	Singrauli	2000	10.00	200						6963		456	6.54
2	Rihand-I	0	0	0						3488		501	14.35
3	Rihand-II	1000	10.20	102						4042		134	3.31
4	Anta(G)	419	11.69	49						969		5	0.56
5	Anta (R)			0.00						36		19	52.52
6	Anta(L)			0						96		194	201.93
7	Auraiya (G/F)	663	12.52	83						1381		5	0.33
8	Auraiya (R)			0						28		47	164.41
9	Auraiya (L)			0						227		304	133.72
10	Dadri Gas (G/F)	830	15.90	132						1793		1	0.07
11	Dadri(R)			0						7		134	1832.13
12	Dadri Gas (L/F)			0						680		123	18.13
13	Unchahar-I	420	8.57	36						1342		257	19.16
14	Unchahar-II	420	14.28	60						1560		85	5.42
15	Unchahar-III	210	8.10	17						828		191	23.06
16	Farakha(ER)	1600	4.18	67						1065		333	31.24
17	K. Gaon-I(ER)	840	12.27	103						1754		33	1.87
18	Kahal gaon-II (ER)	500	3.53	18						225		1	0.29
19	Kawas (WR)	0	0.00	0						0		1	
20	Gandhar(WR)	0	0.00	0						0		0	
21	Mejia	0	0.00	0								3671	
II	NHPC												
21	Bairasuil	180	46.5	84						511		238	46.49
22	Salal	690	26.6	184						2283		607	26.59
23	Tanakpur	94	17.93	17						254		39	15.50
24	Chamera-I	540	10.2	55						1718		175	10.20
25	Uri	480	13.75	66						1797		247	13.75
26	Chamera-II	300	10	30						1064		135	12.73
27	D.Ganga	280	10	28						820		101	12.31
28	Dulhasti	390	8.28	32						1482		157	10.56
III	NPC												
29	NAPP	440	11.59	51						416		55	13.14
30	RAPP-3	220	22.73	50						386		92	23.72
31	RAPP-4	220	22.73	50						534		128	23.96
IV	Other Sources												
32	NJPC	1500	10.13	152						4852		564	11.63
33	Tehri	1000	7.7	77						1926		178	9.25
34	Tala(Thro' PTC)	1020	2.94	30						451		88	19.52
35	Trading											1758	
36	Banking(direct)											810	
37	Banking(traders)											751	
38	Co-gen	81	100	81								96	
39	UI											404	
40	Total											13115	

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PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

ENTITLEMENT FROM CENTRAL GENERATING STATIONS FOR Year 2008-09(H2)-Oct 2008 -Mar 2009

S.N.	Station	Capacity		Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW	(MU)			(%)	MU			(%)	MU
1	2	3	4	5	6			8	9	10	11	12	13
I	NTPC												
1	Singrauli	2000	10.00	200								787	11.07
2	Rihand-I	0	11	0								432	12
3	Rihand-II	1000	10.20	102								378	12.38
4	Anta(G)	419	11.69	49								152	12.82
5	Anta (R)			0								1	
6	Anta(L)			0								9	
7	Auraiya (G/F)	663	12.52	83								240	13.25
8	Auraiya (R)			0								3	
9	Auraiya (L)			0								14	
10	Dadri Gas (G/F)	830	15.90	132								406	16.45
11	Dadri(R)			0								0	
12	Dadri Gas (L/F)			0								24	
13	Unchahar-I	420	8.57	36								141	9.19
14	Unchahar-II	420	14.28	60								232	16.48
15	Unchahar-III	210	8.10	17								65	10.21
16	Farakha(ER)	1600	4.18	67								115	17.92
17	K. Gaon-(ER)	840	12.27	103								235	18.98
18	Kahal gaon-II (ER)	500	3.53	18								260	14.62
19	Kawas (WR)	0	0.00	0								31	0.00
20	Gandhar(WR)	0	0.00	0								0	0.00
21	Mejia	0	0.00	0								92	0.00
II	NHPC			0									
21	Bairasuil	180	46.50	84								88	46.48
22	Salal	690	26.60	184								171	26.61
23	Tanakpur	94	17.93	17								30	15.75
24	Chamera-I	540	10.20	55								41	10.14
25	Uri	480	13.75	66								41	13.75
26	Chamera-II	300	10.00	30								98	17.69
27	D.Ganga	280	10.00	28								31	12.31
28	Dulhasti	390	8.28	32								51	10.56
III	NPC			0									
29	NAPP	440	11.59	51								48	12.75
30	RAPP-3	220	22.73	50								92	21.37
31	RAPP-4	220	22.73	50								128	21.12
32	RAPP-5		-	0								0	10.40
33	RAPP-6		-	0									11.22
IV	Other Sources			0									
34	NJPC	1500	10.13	152								163	10.13
34	Tehri	1000	7.70	77								106	7.70
34	Tala(Thro' PTC)												
34	Tala(Through PTC included in Traders)	1020	2.94	30								2503	
34	Banking(direct)			0								24	
34	Banking(traders)			0								82	
34	Co-gen	81	100	81								112	
34	UI			0								-61	
40	Total											7365	

FORMA I-6B

PUNJAB STATE ELECTRICITY BOARD

ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10

ENTITLEMENT FROM CENTRAL GENERATING STATIONS FOR YEAR 2009-10

S.N.	Station	Capacity	Firm allocation to PSEB		Gen.	PLF	Aux.Cons		Energy sent out	Firm Energy entitlement of PSEB	Actual Allocation to PSEB	
		(MW)	%	MW			(MU)	(%)			MU	(%)
1	2	3	4	5	6		8	9	10	11	12	13
I	NTPC											
1	Singrauli	2000	10.00	200							1566	11.07
2	Rihand-I	0	11	0							862	12
3	Rihand-II	1000	10.20	102							877	12.38
4	Anta(G)	419	11.69	49							290	12.82
5	Anta (R)			0							31	
6	Anta(L)			0							35	
7	Auraiya (G/F)	663	12.52	83							442	13.25
8	Auraiya (R)			0							50	
9	Auraiya (L)			0							58	
10	Dadri Gas (G/F)	830	15.90	132							654	16.45
11	Dadri(R)			0							57	
12	Dadri Gas (L/F)			0							132	
13	Unchahar-I	420	8.57	36							286	9.19
14	Unchahar-II	420	14.28	60							486	16.48
15	Unchahar-III	210	8.10	17							158	10.21
16	Farakha(ER)	1600	4.18	67							201	17.92
17	K. Gaon-I(ER)	840	12.27	103							350	18.98
18	Kahal gaon-II (ER)	500	3.53	18							886	14.62
19	Kawas (WR)	0	0.00	0							31	0.00
20	Gandhar(WR)	0	0.00	0							1	0.00
21	Mejia	0	0.00	0							111	0.00
II	NHPC			0								
21	Bairasuil	180	46.50	84							318	46.48
22	Salal	690	26.60	184							893	26.61
23	Tanakpur	94	17.93	17							69	15.75
24	Chamera-I	540	10.20	55							228	10.14
25	Uri	480	13.75	66							169	13.75
26	Chamera-II	300	10.00	30							366	17.69
27	D.Ganga	280	10.00	28							132	12.31
28	Dulhasti	390	8.28	32							242	10.56
III	NPC			0								
29	NAPP	440	11.59	51							140	12.75
30	RAPP-3	220	22.73	50							257	21.37
31	RAPP-4	220	22.73	50							263	21.12
32	RAPP-5		-	0							227	10.40
33	RAPP-6		-	0								11.22
IV	Other Sources			0								
34	NJPC	1500	10.13	152							697	10.13
34	Tehri	1000	7.70	77							244	7.70
34	Tala(Thro' PTC)											
34	Trading	1020	2.94	30							4992	
34	Banking(direct)			0							772	
34	Banking(traders)			0							622	
34	Co-gen	81	100	81							231	
34	UI			0							0	
35	Total										18427	

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
FORMAT-7 (A)

POWER PURCHASE COST FOR YEAR 2008-09(H1)(ACTUALS FOR APR. 08-SEPT. 08)

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)	134	3.31	130	78.08	11.7	100.18	5.34	13.42	2.17	20.93
2	Anta (R/F)	5	3.31	5			904.94		4.94		4.94
3	Anta (L/F)	19	3.31	18			1165.43		21.76		21.76
4	Auraiya (G/F)	194	3.31	187	116.18	12.5	124.05	8.15	24.05	3.39	35.59
5	Auraiya (R/F)	5	3.31	4			1090.64		4.94		4.94
6	Auraiya (L/F)	47	3.31	45			1394.23		65.02		65.02
7	Dadri Gas (G/F)	304	3.31	294	159.51	15.9	125.28	13.49	38.11	8.46	60.06
8	Dadri Gas (R/F)	1	3.31	1			771.80		0.97		0.97
9	Dadri Gas (L/F)	136	3.31	132			758.59		103.24		103.24
10	Singrauli	848	3.31	820	350.68	10	98.13	21.35	83.26	7.34	111.95
11	Rihand-I	456	3.31	440	344.016	11	104.99	22.64	47.83	9.90	80.37
12	Rihand-II	501	3.31	484	526.68	10.2	107.79	32.59	53.96	2.45	89.00
13	Unchahar-I	123	3.31	119	142.46	8.6	141.95	6.60	17.51	2.88	26.99
14	Unchahar-II	257	3.31	249	177.87	14.3	141.85	14.64	36.47	0.94	52.05
15	Unchahar-III	85	3.31	82	148.1	8.1	141.37	7.58	11.95	0.40	19.93
16	Farakha (ER)	191	7.15	177	518.33	2.3	128.10	9.56	24.46	1.22	35.24
17	Kahal gaon - I (ER)	333	7.15	309	316.0	9.5	126.46	18.41	42.09	3.55	64.05
18	Kahal gaon - II (ER)	33	7.15	30	252.98	8.4	110.23	2.40	3.62	0.00	6.02
19	Kawas (WR)	1	8.71	1			703.13		0.45	0.02	0.47
20	Jhanor Gandhar(WR)	1	8.71	1			651.16		0.84	0.00	0.84
II	NHPC										
21	Bairasuil	238	3.31	230	52.87	46.5	77.64	1.77	18.45	1.69	21.91
22	Salal	607	3.31	587	176.74	26.6	65.82	1.08	39.97	3.79	44.84
23	Tanakpur	39	3.31	38	46.82	17.9	88.08	1.49	3.46	0.17	5.12
24	Chamera-I	175	3.31	169	199.53	10.2	88.08	6.30	15.44	2.60	24.34
25	Chamera-II	135	3.31	131	327.37	10	88.08	23.28	11.93	4.18	39.39
26	Uri	247	3.31	239	274.17	13.8	88.08	8.72	21.76	4.47	34.95
27	D. Ganga	101	3.31	98	176.38	10	88.08	9.79	8.89	1.25	19.93
28	Dulhasti	157	3.31	151	497.40	8.3	88.08	31.10	13.79	4.78	49.67
III	NPC										
29	NAPP	55	3.31	53		11.6	190.41		10.44		10.44
30	RAPP-3	92	3.31	89		22.7	275.16		25.35		25.35
31	RAPP-4	128	3.31	124		22.7	275.40		35.26		35.26
32	RAPP-5										
IV	OTHER SOURCES										
33	Co-gen. including Jalkheri	97	0	97			374.83		36.21		36.21
34	Short term purchase within Punjab	44	0	44			367.14		16.03		16.03
35	Banking										
a)	HPSEB	294	3.41	284			300.13		88.16		88.16
b)	Rajasthan	106	3.41	103			703.07		74.79		74.79
c)	UPCL	162	3.41	156			329.51		53.36		53.36
d)	J&K	248	3.41	240			500.00		124.16		124.16
36	NJPC	564	3.31	546	1278.1208	10.1	88.08	78.31	49.70	11.42	139.43
37	TEHRI	178	3.31	172		7.7	250.00	24.16	44.51	2.16	70.83
38	MEJIA(DVC)										
39	BAGLIHAR										
40	TRADERS	1804	8.68	1648			623.79		1125.49	14.90	1140.39
41	Tala(Through PTC) included in Traders										
42	UI	404	0	404			673.18		271.75		271.75
43	UI (State)	-4	0	-4			637.97		-2.52		-2.52
44	Reactive Charges								1.74		1.74
45	Banking Thro. Traders	739	10.22	664			700.09		517.46		517.46
V	Other Charges										
46	PGCIL								118.00		118.00
47	NRLDC								0.07		0.07
48	Open Access Chgs. (Banking)for col. 35&45								10.32		10.32
49	Total	10283	4.79	9791				349	3333	94	3776

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
FORMAT-7
POWER PURCHASE COST FOR YEAR 2007-08(Actuals)

Sr.	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)	278	3.95	267	77.07	11.7	100.57	10.10	28.02	6.07	44.19
2	Anta (R/F)	31	3.95	30			429.02		13.22		13.22
3	Anta (L/F)	42	3.95	40			892.60		37.55		37.55
4	Auraiya (G/F)	423	3.95	407	114.59	12.5	110.14	15.47	46.64	12.53	74.65
5	Auraiya (R/F)	50	3.95	48			450.51		22.65		22.65
6	Auraiya (L/F)	51	3.95	49			921.84		46.95		46.95
7	Dadri Gas (G/F)	582	3.95	559	188.39	15.9	108.26	31.20	63.00	27.99	122.19
8	Dadri Gas (R/F)	57	3.95	54			425.14		24.05		24.05
9	Dadri Gas (L/F)	190	3.95	182			719.25		136.77		136.77
10	Singrauli	1693	3.95	1626	341.35	10	85.79	38.97	145.27	21.43	205.67
11	Rihand-I	961	3.95	923	339.13	11	94.86	41.84	91.17	31.87	164.89
12	Rihand-II	893	3.95	858	533.33	10.2	97.15	62.95	86.79	3.69	153.43
13	Unchahar-I	285	3.95	273	140.33	8.6	133.32	12.66	37.94	7.59	58.19
14	Unchahar-II	521	3.95	500	177.25	14.3	132.62	27.82	69.06	1.22	98.10
15	Unchahar-III	161	3.95	155	137.14	8.1	133.47	11.59	21.51	0.86	33.96
16	Farakha (ER)	293	7.72	271	510.79	3.73	130.03	13.91	38.03	2.20	54.14
17	Kahalgaon-I (ER)	635	7.72	586	311.79	10.22	137.84	32.52	86.52	1.81	120.86
18	Kahalgaon-II (ER)										
19	Kawas(WR)	31	9.15	28			897.78	0.00	27.41	0.41	27.82
20	Jhanor Gandhar(WR)	0.1	9.15	0.1			321.51	0.00	0.02	0.01	0.03
21	Koldam										
II	NHPC										
22	Bairasuil	276	3.95	265	51.45	46.5	85.15	3.60	23.50	2.48	29.58
23	Salal	852	3.95	819	173.30	26.6	64.54	0.05	55.01	8.66	63.71
24	Tanakpur	66	3.95	63	45.77	17.9	85.15	2.11	5.76	0.48	8.35
25	Chamera-I	212	3.95	204	196.54	10.2	85.15	8.52	18.08	4.70	31.30
26	Chamera-II	170	3.95	164	338.46	10	85.15	31.14	14.51	5.35	51.00
27	Uri	351	3.95	337	309.15	13.8	85.15	18.46	29.89	10.27	58.62
28	Dhuali Ganga	141	3.95	136	175.82	10	85.15	11.92	12.04	2.27	26.23
29	Dulhasti	270	3.95	259	497.40	8.3	85.16	45.51	23.00	5.81	74.33
30	Sewa II										
III	NPC										
31	NAPP	73	3.95	70		11.6	190.63		13.85	0.43	14.28
32	RAPP-3	238	3.95	229		22.7	273.11		65.03	0.00	65.03
33	RAPP-4	226	3.95	217		22.7	273.59		61.76	2.07	63.83
34	RAPP 5 & 6										
IV	OTHER SOURCES										
35	Co-Gen. including Jalkheri	234	0	234			373.53		87.41		87.41
36	Short Term Purchase within Punjab	119	0	119			358.97		42.60		42.60
37	BANKING										
a)	HPSEB	180	3.59	174			237.41		42.16		42.16
b)	Rajasthan	89	3.59	86			426.21		37.55		37.55
c)	UPCL	146	3.59	141			327.97		47.84		47.84
d)	J&K	321	3.59	309			448.15		143.66		143.66
38	NJPC	725	3.95	696	1278.1208	10.1	85.15	101.14	61.74	24.07	186.95
39	Tehri	227	3.95	218		7.7	249.43	40.74	56.50	5.31	102.55
40	Mejia(DVC)										
41	Baglihar										
42	Malana-II										
43	TRADERS	2635	8.83	2402			564.04		1485.62	52.32	1537.94
44	Tala(Through PTC) included in Traders										
45	UI	1952	0	1952			447.23		873.18		873.18
46	UI (State)										
47	Reactive Charges								4.13		4.13
48	Banking Through Traders	1132	9.58	1024			660.53		748.04		748.04
V	OTHER CHARGES										
49	PGCIL								215.29		215.29
50	NRLDC								0.05		0.05
51	Open Access Charges								25.47		25.47
52	Total	17813	4.71	16974				562	5216	242	6020.42

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
FORMAT-7 (B)
YEAR 2008-09 H2(Oct 08-March 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)	152	4.42	145	78.08	11.7	100.05	5.45	15.16	2.22	22.84
2	Anta (R/F)	1	4.42	1			951.11		1.18		1.18
3	Anta (L/F)	9	4.42	8			1127.98		9.76		9.76
4	Auraiya (G/F)	240	4.42	229	116.18	12.5	122.37	8.54	29.37	3.55	41.47
5	Auraiya (R/F)	3	4.42	3			1161.86		3.14		3.14
6	Auraiya (L/F)	14	4.42	13			1301.58		18.26		18.26
7	Dadri Gas (G/F)	406	4.42	388	159.51	15.9	121.19	13.15	49.24	8.25	70.63
8	Dadri Gas (R/F)	0	4.42	0			771.80		0.00		0.00
9	Dadri Gas (L/F)	24	4.42	23			780.78		18.81		18.81
10	Singrauli	787	4.42	752	350.68	10	101.22	19.81	79.67	6.81	106.28
11	Rihand-I	432	4.42	413	344.016	11	115.09	21.49	49.77	9.40	80.67
12	Rihand-II	378	4.42	362	526.68	10.2	115.19	24.62	43.57	1.85	70.04
13	Unchahar-I	141	4.42	134	142.46	8.6	150.18	7.53	21.13	3.28	31.94
14	Unchahar-II	232	4.42	222	177.87	14.3	149.28	13.22	34.66	0.85	48.73
15	Unchahar-III	65	4.42	62	148.1	8.1	149.73	5.83	9.73	0.31	15.87
16	Farakha (ER)	115	8.08	106	518.33	2.3	125.38	5.75	14.40	0.73	20.89
17	Kahalgaon-I (ER)	235	8.08	216	316	9.5	107.56	13.00	25.29	2.51	40.80
18	Kahalgaon-II (ER)	260	8.08	239	252.98	8.4	104.93	19.01	27.29	0.00	46.29
19	Kawas(WR)	31	9.15	28			703.13		21.68	0.96	22.65
20	Jhanor Gandhar(WR)	0	9.15	0			651.16		0.00	0.00	0.00
II	NHPC			0							
21	Bairasuil	88	4.42	84	52.87	46.5	77.64	0.65	6.82	0.62	8.10
22	Salal	171	4.42	163	176.74	26.6	65.82	0.30	11.26	1.07	12.63
23	Tanakpur	30	4.42	28	46.82	17.9	88.08	1.12	2.60	0.13	3.85
24	Chamera-I	41	4.42	39	199.53	10.2	88.08	1.46	3.58	0.60	5.64
25	Chamera-II	98	4.42	93	327.37	10	88.08	16.80	8.61	3.02	28.43
26	Uri	41	4.42	39	274.17	13.8	88.08	1.46	3.64	0.75	5.85
27	D. Ganga	31	4.42	29	176.38	10	88.08	2.99	2.71	0.38	6.09
28	Dulhasti	51	4.42	49	497.40	8.3	88.08	10.09	4.47	1.55	16.11
III	NPC			0							
29	NAPP	48	4.42	46		11.6	190.39		9.22		9.22
30	RAPP-3	123	4.42	117		22.7	276.14		33.93		33.93
31	RAPP-4	110	4.42	105		22.7	276.14		30.37		30.37
32	RAPP-5	29	4.42	28		29.2	276.14		8.05		8.05
IV	Other Sources										
33	Co-gen. including Jalkheri	112	0	112			378.55		42.47		42.47
34	Short Term Purch. within Punjab	56	0	56			369.04		20.58		20.58
35	Banking										
a)	HPSEB										
b)	Rajasthan										
c)	UPCL	24	4.42	23			330.00		7.82		7.82
d)	J&K										
36	NJPC	163	4.42	155	1278.1208	10.1	88.08	22.56	14.32	3.29	40.17
37	TEHRI	106	4.42	102		7.7	250.00	14.45	26.61	1.29	42.35
38	MEJIA(DVC)	92	8.08	85			235.77		21.79		21.79
39	BAGLIHAR										
40	TRADERS	2503	9.85	2257			623.79		1561.49	20.67	1582.16
41	Tala(Through PTC) included in Traders										
42	UI	-61	0	-61			673.18		-40.77		-40.77
43	UI (State)										
44	Reactive Charges										
45	Banking Thro. Traders	82	12.14	72			700.09		57.51		57.51
V	Other Charges										
46	PGCIL								118.00		118.00
47	NRLDC										
48	Open Access Chgs. (Banking) (col.35&45)								0.71		0.71
49	Total	7463	6.63	6969				229	2428	74	2731

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
FORMAT-7C
YEAR 2009-10(April09-March 10)(Projected)

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)	290	3.95	279	78.08	11.69	105.05	12.02	30.47	4.88	47.37
2	Anta (R/F)	31	3.95	30			998.67		30.73		30.73
3	Anta (L/F)	35	3.95	34			1184.38		41.37		41.37
4	Auraiya (G/F)	442	3.95	424	116.18	12.52	128.49	18.31	56.79	7.62	82.71
5	Auraiya (R/F)	50	3.95	48			1219.95		61.30		61.30
6	Auraiya (L/F)	58	3.95	56			1366.66		79.73		79.73
7	Dadri Gas (G/F)	654	3.95	628	159.51	15.9	127.25	25.75	83.20	16.15	125.11
8	Dadri Gas (R/F)	57	3.95	54			810.39		45.84		45.84
9	Dadri Gas (L/F)	132	3.95	127			819.82		108.59		108.59
10	Singrauli	1566	3.95	1504	350.68	10.0	106.28	39.40	166.40	13.54	219.35
11	Rihand-I	862	3.95	828	344.016	11.0	120.84	42.85	104.20	18.74	165.80
12	Rihand-II	877	3.95	842	526.68	10.2	120.95	57.09	106.07	4.29	167.45
13	Unchahar-I	286	3.95	275	142.46	8.6	157.69	15.31	45.12	6.68	67.11
14	Unchahar-II	486	3.95	467	177.87	14.3	156.74	27.66	76.14	1.78	105.58
15	Unchahar-III	158	3.95	151	148.1	8.1	157.22	14.13	24.78	0.75	39.66
16	Farakha (ER)	201	7.72	186	518.33	2.3	131.65	10.07	26.48	1.29	37.84
17	Kahal gaon (ER)	350	7.72	323	316	9.5	112.94	19.36	39.52	3.73	62.61
18	Kahal gaon II (ER)	886	7.72	818	252.98	8.4	110.18	64.76	97.62	0.00	162.38
19	Kawas(WR)	31	9.15	29			738.29		23.24	0.98	24.23
20	Jhanor Gandhar(WR)	1	9.15	1			683.72		0.88	0.00	0.88
21	Koldam	22	3.95	21			333.07		7.39		7.39
II	NHPC										
22	Bairasuil	318	3.95	305	52.87	46.5	81.52	2.36	25.89	2.26	30.51
23	Salal	893	3.95	858	176.74	26.6	69.11	1.59	61.74	5.58	68.90
24	Tanakpur	69	3.95	66	46.82	17.9	92.48	2.62	6.39	0.30	9.31
25	Chamera-I	228	3.95	219	199.53	10.2	92.48	8.19	21.07	3.38	32.64
26	Chamera-II	366	3.95	352	327.37	10.0	92.48	62.93	33.86	11.30	108.08
27	Uri	169	3.95	163	274.17	13.8	92.48	5.98	15.67	3.07	24.72
28	D. Ganga	132	3.95	126	176.38	10.0	92.48	12.76	12.17	1.63	26.56
29	Dulhasti	242	3.95	232	497.40	8.3	92.48	47.99	22.35	7.38	77.71
30	Sewa-II	60	3.95	58			333.07		20.02		20.02
III	NPC										
31	NAPP	140	3.95	134		11.6	199.91		27.89		27.89
32	RAPP-3	257	3.95	247		22.7	289.95		74.44		74.44
33	RAPP-4	263	3.95	253		22.7	289.95		76.39		76.39
34	RAPP-5 & 6	227	3.95	218		29.2	289.95		65.76		65.76
IV	Other Sources										
35	Co-gen. including Jalkheri	231	0	231			397.48		91.77		91.77
36	Short Term Purch. within Punjab	88	0	88			387.49		34.26		34.26
37	Banking										
a)	HPSEB	277	3.59	267			315.14		87.21		87.21
b)	Rajasthan	106	3.59	103			738.22		78.53		78.53
c)	UPCL	162	3.59	156			346.05		56.04		56.04
d)	J&K	227	3.59	219			525.00		119.22		119.22
38	NJPC	697	3.95	669	1278.1208	10.1	92.48	96.72	64.45	14.10	175.28
39	Tehri	244	3.95	235		7.7	262.50	33.14	64.10	2.96	100.20
40	Mejia(DVC)	223	7.72	206			247.56		55.30		55.30
41	Baglihar	598	3.95	574			333.07		199.20		199.20
42	Malana-II	251	3.95	241			333.07		83.55		83.55
43	Traders	4992	8.83	4551			623.79		3114.16	41.22	3155.38
44	Tala(Through PTC) included in										
45	UI										
46	UI (State)										
47	Reactive Charges										
48	Banking Thro. Traders	622	9.58	563			735.09		457.35		457.35
V	Other Charges										
49	PGCIL								236.00		236.00
50	NRLDC								0.07		0.07
51	Open Access Chgs. (Banking)								9.29		9.29
52	Total	19558	5.62	18458				621	6470	174	7265

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-8

Employee Cost (Actuals)

(Rs. in crores)

S. N	Item	FY 2007-08 Actual	FY 2008-09 Total	FY 2009-10 Estimates
1	2	5	8	9
A	Salaries & Allowances			
1	Basic Pay	904.72	913.00	918.00
2	Overtime	7.76	8.15	8.60
3	Dearness Allowance	368.94	491.00	606.00
4	Fixed medical Allowance	29.02	30.50	32.00
5	Other Allowances	127.70	135.00	142.00
6	Bonus/ Generation Incentive	50.35	53.00	55.50
7	Medical Expenses Reimbursement	9.53	10.35	11.00
8	Other expenses	55.71	58.10	66.92
9	Workman's compensation	0.32	0.35	0.37
10	Total (1 to 9)	1,554.05	1,699.45	1,840.39
11	Amount capitalised	117.81	130.00	140.00
12	Net amount	1,436.24	1,569.45	1,700.39
B	Terminal Benefits			
1	Basic Pension (Including Commutation of Pension)	366.70	419.00	471.00
2	Gratuity			
3	Earned Leave Encashment			
4	Fixed medical Allowance			
5	Medical Reimbursement			
6	L.T.C.to retirees			
7	P.F. share of workcharged staff			
	Total (1 to 7)	545.99	609.15	671.30
C	BBMB share	53.18	65.00	75.00
	GROSS TOTAL:(A+B+C)	2,035.41	2,243.60	2,446.69

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-9

Total Number of PSEB Employees

S.N	Particulars	FY 2007-08 (Actuals)	FY 2008-09 (RE)	FY 2009-10 (Proj)
1	2	3	4	5
1	Number of employees with PSEB as on 1st April	72770	69560	66860
2	Number of employees posted with BBMB as on 1st April	1129	1129	1129
3	PSEB employees on deputation/ foreign service as on 1st April	78	78	78
4	Total number of employees (1+2+3)	73977	70767	68067
5	Number of employees retired/retiring during the year	3210	2700	2680
6	Number of employees at the end of the year (4-5)	70767	68067	65387
7	Number/share of employees required to be posted with BBMB as per agreement	N.A	N.A	N.A

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-10

Employees Productivity Parameters

S. N	Particulars	FY 2007-08 (Actuals)	FY 2008-09 (RE)	FY 2009-10 (Projections)
1	2	3	4	5
1	Number of consumers	6373890	6665423	6934963
2	Connected load in KW	22408721	23805869	25113362
3	Line circuit in KM	317047	326149	326149
4	Energy sold in MU	32122	32509	35819
5	Employees per MU of energy sold	2.20	2.09	1.83
6	Employees per 1000 consumers	11.10	10.21	9.43
7	Share of employees cost in total costs	15.88%	16.16%	15.48%
8	Employees cost in paise/ kwh of energy sold	63.36	69.02	68.31
9	Line circuit KM per employee	4.48	4.79	4.99

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
Format-11,11A,11B
Value of Assets and Depreciation Charges*

Sr. No.	Particulars	Assets value at the beginning of the year	Rate of depreci-ation	Deprecia-tion charges	Accumu-lated 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	0	0	0	0
	(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	0	0	0	0
	(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	0	0	0	0
	(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				
10	Total	0	0	0	0
	(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				
10	Total	0	0	0	0
	(vi) Others				
	Grand Total(i to vi)	0	0	0	0

*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 2009-10**

Format-12

Detail of Depreciation Charges 2009-10

(Rs. in crore)

Sr. No	Item/Function	Assets as on April 1 of 2007	Depreciation for 2007-08	Assets as on April 1 of 2008	Depreciation for 2008-09	Assets as on April 1 of 2009	Depreciation for 2009-10
1	2	3	4	5	6	7	8
1	Thermal	2915.31	159.33	3020.44	165.08	5505.32	300.88
2	Hydel	5774.79	129.57	5847.98	131.21	5860.70	131.50
3	Internal Combustion	2.68	0.00	2.68	0.00	2.68	0.00
	Total Generation	8692.78	288.90	8871.10	296.29	11368.70	432.38
4	Transmission	1898.62	91.79	1965.69	95.03	2560.84	123.81
5	Distribution	4685.45	282.63	5447.20	328.58	6808.52	410.70
6	Others	136.74	1.83	136.74	1.83	232.15	3.11
	Total	15413.59	668.57	16420.73	721.73	20970.21	969.99

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format -13

R & M Expenses

(Rs. in crores)

Sr. No	Item	FY 2007-08 Actual	FY 2008-09 Total	FY 2009-10 Estimates
1	2	3	4	5
1	Plant and Machinery	131.52	140.31	167.41
2	Buildings	11.75	12.53	14.96
3	Hydraulic & Others Civil Works	6.56	7.00	8.35
4	Line cable & networks	32.00	34.14	40.73
5	Vehicles	3.20	3.41	4.07
6	Furniture & Fixture	0.07	0.07	0.09
7	Office Equipments	0.17	0.18	0.22
8	Operating Expenses	17.56	18.73	22.35
9	Total Expenses	202.83	216.38	258.17
Add:	BBMB share	94.17	100.46	119.86
	R&M for Assets added during Year	0.00	40.71	32.29
	Gross R&M Costs	297.00	357.55	410.33
Less:	Capitalised PSEB	3.10	3.31	3.53
	Net R & M Costs	293.90	354.25	406.80

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-14

Administration and General Expenses

(Rs. in crores)

Sr. No	Item	FY 2007-08 Actual	FY 2008-09 RE	FY 2009-10 Projected
1	2	3	8	9
1	Rent Rates & taxes	4.04	4.20	4.41
2	Insurance	0.93	0.95	1.00
3	Telephone, postage & Telegrams	6.66	6.90	7.25
4	Consultancy Fee	3.74	3.75	3.94
5	Technical Fee	0.01	0.01	0.01
6	Other Professional Charges	0.03	0.05	0.05
7	Conveyance & Travelling	17.25	18.00	18.90
8	Electricity & Water Charges	13.11	13.50	14.18
9	Other	33.17	35.00	36.75
10	Freight	1.77	1.00	1.05
11	Other Material related expenses	8.54	9.00	9.45
12	Total Expenses	89.25	92.36	
Add:	BBMB share	2.78	3.00	3.15
	Total Expenses	92.03	95.36	100.13
Less:	capitalised	22.33	23.43	24.13
	Net Expenditure	69.70	71.93	76.00

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2008-09

Format-15

Details of loans for the year FY 2007-08 (Actuals)

S.N	Particulars	Opening Balance	Rate of	Addition	Repayments	Closing	Amount
			interest	during	during	balance	interest
1	2	3	4	5	6	7	8
				the year	the year		paid
1	LIC	519.95	11.00%		57.14	462.81	53.39
2	PFC	333.80	8.75%-12.5%	3.26	84.95	252.11	24.00
3	COMMERCIAL BANKS	1070.47	7.16%-10.5%	350.00	29.04	1391.43	99.79
4	CSS LOANS						
	(i) APDRP	97.38	10.50% -12.50%		3.33	94.05	10.18
	(ii) OTHER SCHEMES	0.05			0.05		
5	REC LIMITED						
	(a) Schemes	1097.53	8.00%-12.50%	475.45	166.73	1406.25	120.35
	(b) MHP-II	53.70	8.5%-11%	0.02	8.96	44.76	4.76
	(c) GHTP-II	1461.01	7.25%-11%	259.67	124.18	1596.5	140.69
	(d) R&M	58.20	8.5%-10.90%	30.78		88.98	5.94
6	BILL DISCOUNTING	1.45				1.45	
7	SLR Bonds	157.90	11.50%-13.00%		34.08	123.82	16.89
8	Non SLR Bonds	345.73	11.50%-13.05%		112.35	233.38	34.27
	Sub Total	5197.17		1119.18	620.81	5695.54	510.26
9	WCL	2316.68	9%-12%	4420.00	2316.68	4420.00	365.78
	TOTAL	7513.85		5539.18	2937.49	10115.54	876.04
10	GOP Loans	3074.91	6%-13.5%		1362.00	1712.91	85.99
	Total	10588.76		5539.18	4299.49	11828.45	962.03
11	Talwandi Sabo Power Ltd.		12%	265.00		265.00	*
	Grand Total	10588.76		5804.18	4299.49	12093.45	962.03

* Note: Interest paid to PFC for Loan towards acquisition of land for TSPL has been shown in form 16 and the interest recovered from the company has been deducted from the total interest.

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2008-09**

Format-15-A

Details of loans for the year FY 2008-09 (Actuals) (H1)

S. N	Particulars	Opening balance	Rate of interest	Addition during the year	Repayments during the year	Closing balance	Amount interest paid
1	2	3	4	5	6	7	8
1	LIC	462.81	11.00%		46.45	416.36	25.45
2	PFC	252.11	8.75%-12.5%	2.57	46.41	208.27	9.68
3	COMMERCIAL BANKS	1391.43	7.16%-10.5%			1391.43	63.15
4	CSS LOANS	0.00					
	(i) APDRP	94.05	10.50%-12.50%		1.69	92.36	4.16
	(ii) OTHER SCHEMES						
	(iii) RGGVY						
5	REC Limited						
	(a) Schemes	1406.25	8.00%-12.50%	227.45	83.68	1550.02	73.25
	(b) MHP-II	44.76	8.5%-11%		4.48	40.28	1.96
	(c) GHTP-II	1596.50	7.25%-11.75%	173.68	92.18	1678	76.49
	(d) R&M	88.98	8%-12.50%	34.97	1.38	122.57	4.90
6	BILL DISCOUNTING	1.45				1.45	
7	SLR Bonds	123.82	11.50%-13.00%		9.05	114.77	7.05
8	Non SLR Bonds	233.38	9.40%-13.05%	113.10	33.36	313.12	5.38
	Sub Total	5695.54		551.77	318.68	5928.63	271.47
9	WCL	4420.00	9%-12.5%	3950.00	2175.00	6195	255
	TOTAL	10115.54		4501.77	2493.68	12123.63	526.47
10	GOP Loans	1712.91	12%-13.5%			1712.91	
	Total	11828.45		4501.77	2493.68	13836.54	526.47
11	Talwandi Sabo Power Lt	265.00	12%		265.00		*
	Grand Total	12093.45		4501.77	2758.68	13836.54	526.47

* Note: Interest paid to PFC for Loan towards acquisition of land for TSPL has been shown in form 16 and the interest recovered from the company has been deducted from the total interest.

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2008-09

Format-15 (B)

Details of loans for the year FY 2008-09 (H2)

Sr. No.	Particulars	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount interest payable
1	2	3	4	5	6	7	8
1	LIC	416.36	11%-14%	170.00	9.75	576.61	28.85
2	PFC	208.27	8.75%-13.5%	5.19	31.18	182.28	8.62
3	COMMERCIAL BANKS	1391.43	7.16%-10.5%	300.00	50.00	1641.43	72.44
4	CSS LOANS						
	(i) APDRP	92.36	10.50%-12.50%		2.54	89.82	6.24
	(ii) OTHER SCHEMES						
	(iii) RGGVY			5.52		5.52	0.33
5	REC Limited						
	(a) Schemes	1550.02	8.00%-12.50%	717.93	98	2169.95	83.87
	(b) MHP-II	40.28	8.5%-12.5%	28.00	6.12	62.16	2.76
	(c)GHTP-II	1678	7.25%-12.5%	60.90	97.70	1641.2	79.50
	(d) R&M	122.57	8%-12.5%	143.09	1.45	264.21	10.63
6	BILL DISCOUNTING	1.45				1.45	
7	SLR Bonds	114.77	11.50%-13.00%		20.93	93.84	5.16
8	Non SLR Bonds	313.12	9.40%-13.05%	386.90	18.22	681.8	23.08
	Sub Total	5928.63		1817.53	335.89	7410.27	321.48
9	WCL	6195.00	9%-14%	2550.00	2245.00	6500.00	306.60
	TOTAL	12123.63		4367.53	2580.89	13910.27	628.08
10	GOP Loans	1712.91	12%-13.5%			1712.91	
	Total	13836.54		4367.53	2580.89	15623.18	628.08
11	Nabha Power Limited		13.25%	340.00	340.00	0	*
12	Gidderbaha Power Limite		13.25%	280.00		280.00	*
	Grand Total	13836.54		4987.53	2920.89	15903.18	628.08

* Note: Interest paid/payable to PFC/REC for Loan towards acquisition of land for NPL/GPL has been shown in form 16 and the interest recovered from the company has been deducted from the total interest.

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2008-09

Format-15C

Details of loans for the year FY 2009-10 (projected)

Sr. No.	Particulars	Opening balance	Rate of interest	Addition during the year	Repayment during the year	Closing balance	Amount interest payable
1	2	3	4	5	6	7	8
1	LIC	576.61	11%-14%		55.16	521.45	66.03
2	PFC	182.28	8.75%-13.5%	28.68	39.85	171.11	16.83
3	COMMERCIAL BANKS	1641.43	7.16%-12.5%	620.00	113.23	2148.2	196.29
4	CSS LOANS					0	
	(i) APDRP	89.82	10.50%-12.50%		6.31	83.51	9.92
	(ii) OTHER SCHEMES						
	(iii) RGGVY	5.52		12.87			1.43
5	REC Limited						
	(a) Schemes	2169.95	8.00%-12.50%	3114.70	210.00	5074.65	194.67
	(b) MHP-II	62.16	8.5%-12.5%	47.70	15.51	94.35	9.19
	(c)GHTP-II	1641.2	7.25%-12.5%	34.90	198.98	1477.12	151.32
	(d) R&M	264.21	8%-12.5%	409.32	3.03	670.5	56.68
6	BILL DISCOUNTING	1.45				1.45	
7	SLR Bonds	93.84	11.50%-13.00%		34.69	59.15	10.31
8	Non SLR Bonds	681.80	9.40%-13.05%	500.00	181.80	1000.00	73.54
	Sub Total	7410.27		4768.17	858.56	11301.49	786.21
9	WCL	6500.00	9%-14%	6500.00	6500.00	6500.00	780.00
	TOTAL	13910.27		11268.17	7358.56	17801.49	1566.21
10	GOP Loans	1712.91	12%-13.5%			1712.91	
	Total	15623.18		11268.17	7358.56	19532.79	1566.21
11	Nabha Power Limited						
12	Gidderbaha Power Limite	280.00	13.25%		280.00		*
	Grand Total	15903.18		11268.17	7638.56	19532.79	1566.21

* Note: Interest paid/payable to PFC/REC for Loan towards acquisition of land for GPL has been shown in form 16 and the interest recovered from the company has been deducted from the total interest.

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format 16

Interest & Finance Charges

(Rs. in crores)

S.NO	Source of loan	FY 2007-08	2008-09	FY 2009-10
		(Actual)	Total (RE)	projected
1	Open Market Loan			
2	SLR Bonds	16.89	12.21	10.31
3	NON-SLR Bonds	34.27	28.46	73.54
4	LIC	53.39	54.30	66.03
5	REC	271.74	333.36	411.86
6	Comm. Banks	99.79	135.59	196.29
7	Lease Rental	1.52	0.05	0.03
8	PFC	24.00	18.30	16.83
9	PFC(TSPL)	1.16	16.73	0.00
10	REC(NPL)	0.00	11.26	0.00
11	PFC/REC(GPL)	0.00	3.09	23.19
12	CSS	10.19	10.73	11.35
13	Int. on Recalled Loan (Rs. 1362Cr) & Non Refund of Int. (Rs. 501 Cr)	101.15	191.62	223.56
14	WCL & O.D.	264.63	369.98	556.44
15	GPF	108.38	115.00	125.00
16	Interest on Commercial Loans	987.11	1300.68	1714.43
17	Add state Govt. loan	85.99	-	-
18	Total Int. on Commercial Loans	1073.10	1300.68	1714.43
19	Less: Interest Capitalised	221.77	67.95	119.19
20	Net Interest Charges	851.33	1,232.73	1,595.24
21	Add: Prior Period Interest	0.39	-	-
22	Total Interest	851.33	1,232.73	1,595.24
23	Add: Finance Charges	12.29	13.52	14.87
24	Total Interest & Finance Charges	863.62	1,246.25	1,610.11
25	Less: Interest Recovered from			
26	TSPL	5.00	18.73	-
27	NPL	0.72	16.20	-
28	GPL	-	4.08	24.50
29	Net Interest	857.90	1207.24	1585.61

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-17

Interest Capitalised

(Rs. in crores)

Sr. No.	Interest Capitalized	FY 2007-08	FY 2008-09	FY 2009-10
		Actual	(RE)	(Projected)
1	2	3	4	5
1	WIP at the end of the yr.	882.67	1651.63	2844.81
2	GFA at the end of the year	16420.73	20970.21	24793.45
3	WIP+GFA at the end of the year	17303.40	22621.84	27638.26
4	Interest (excluding interest onWCL)	705.81	930.71	1157.99
5	Interest Captitalized	221.77	67.95	119.19

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-18

Information regarding restructuring of outstanding loans during the year

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(2002-03)		18%	105	12.50%	There is no Possibility of further restructuring of Institutional Loans	
2	PFC(2003-04)		15% to 18%	100	9.75 % to 11.50%		
3	LIC (2003-04)		11.5% to 14.50%	744	11%		
4	Comm.Banks (2003-04)		10.50%	295	7.05%		
5	REC (2003-04)		11.5% to 16%	341	9% to 10.5%		
6	PFC (2004-05)		14.5% to 15%	122	8.75%		
7	PFC (2005-06)		12.5% to 15%	97.3	8.75%		
8	Total			1804.3			

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-19

Lease Details

S. N	Name of lesser	Gross Assets Rs in Crores	Lease Entered on	Lease Rental Ending By(Rs Cr)	Primary Period Ending By
1	First Leasing Co.	2.93	16-03-2000	0.04	9-Dec-08
2	Centurion Bank	29.93	16-03-2000	0.37	9-Dec-08

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-20

Non-Tariff Income

(Rs. in crores)

Sr. No.	Item	FY 2007-08 Actual	FY 2008-09 Total	FY 2009-10 Estimates
1	2	3	8	9
1	Meter/service line rentals	79.19	83.15	87.31
2	Late payment surcharge	76.36	80.18	84.19
3	Theft & pilferage of energy	27.98	29.23	30.69
4	Misc. receipts	224.16	193.00	202.12
5	Misc. charges (Fuse, pub. lighting mtc.chgs, recon. fee)	18.54	19.47	20.44
6	Wheeling charges	2.86	3.00	3.15
7	Interest on staff loans and advances	1.27	1.33	1.40
8	Interest on Advances to Suppliers	0.98	1.03	1.08
9	Income from trading	10.89	11.43	12.01
10	Income from staff welfare activities	0.04	0.04	0.04
11	Excess found on physical verification	0.00	0.00	0.00
12	Investment, fines and call deposits and bank balances/JPPL	0.60	0.65	0.00
13	Add BBMB	1.31	1.50	1.60
14	Total Non-Tariff Income	444.18	424.01	444.03

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-21

Investment Plan (Schemewise)

(Rs. in crores)

S.N	Name of Scheme /Project	Approved outlay 2007-08	FY 2007-08 (Actuals)	FY 2008-09 (RE)	FY 2009-10 (Proj)
1	2	3	4	5	6
1	Ranjit Sagar Dam Project			0.8	1.5
2	Shahpur kandi HEP	1.2		5.0	10.0
3	Mukerian Hydro Electric Project	14.5	17.2	45.2	53.0
4	Micro Hydel Power Houses at Ropar		3.6		29.2
5	R&M of Bhakra Power Houses	2.3	17.7		43.7
6	Shanan & Other Board Projects		3.8	5.0	46.8
7	GHTP Stage-I			0.8	8.4
8	GHTP Stage-II &III Lehra Mohabbat	93.2	280.5	360.6	88.2
9	Doraha gas Based Thermal Plant				
10	R&M works at Thermal Plant as per RLA study(Unit I&II)	12.0	9.2		6.1
11	R&M of GNDTP Bhatinda Phase-II			11.1	0.4
12	R&M GNDTP Bhatinda Unit-III&IV based on RLA study	125.7		120.0	211.5
13	R&M of GGSSTP Ropar under APDRP scheme	13.8	5.5		105.6
14	Transmission & Distribution including APDRP	1220.9	804.7	2006.7	3453.4
15	Revamping of ME Labs. and workshops				7.1
16	Release of tube-well connections		70.3		618.0
17	Rural Electrification (RGGVY)	16.5		235.8	189.9
18	Any other new project taken up by Board/Others			176.9	143.7
19	Talwandi Saboo T.P		314.4		
20	Rajpura T.P		8.5	365.0	
21	Gidderbha Thermal Project			350.0	
	Total	1500.0	1535.3	3682.9	5016.4

Format-22

PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10
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 2007 -08	3778.85	2500.00	3169.65	1500.00	1535.28	
2	FY 2008 -09 (RE)	2684.26	1500.00	3682.91			
3	FY 2009-10 (Proj)	5016.42					

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

Format-23

Capital Base and Return

(Rs. in crores)

S.N	Particulars	FY 2007-08	FY 2008-09	FY 2009-10
		(Actuals)	(RE)	(Proj)
1	2	3	4	5
1	Gross block at beginning of the year	15413.59	16420.73	20970.21
2	Less accumulated depreciation	6770.85	7414.33	8138.01
3	Net block at beginning of the year	8642.74	9006.40	12832.20
4	Less accumulated consumer contribution	1934.01	2149.59	2349.59
5	Net fixed assets at beginning of the year	6708.73	6856.81	10482.61
6	Reasonable return @14% on Equity	412.46	412.46	412.46

S.N	Particulars	WIP	Fixed Assets
1	2	3	4
1	As on 31st March of previous year (FY 2007-08)	3233.20	16420.73
	Add capital expenditure during current year (FY 2007-08)	2967.91	4549.48
	Total:	6201.11	20970.21
	Less transferred to fixed assets	4549.48	
2	As on 31st March of current year (FY 2008-09)	1651.63	20970.21
	Add capital expenditure during ensuing year (FY 2008-09)	5016.42	3823.24
	Total:	6668.05	24793.45
	Less transferred to fixed assets	3823.24	
3	As on 31st March of ensuing year (FY 2008-09)	2844.81	

S.N	Particulars	Amount
1	2	3
	Accumulated Depreciation	
1	As on 31st March of previous year (FY 2007-08)	7414.33
2	Add: Depreciation for current year (FY 2008-09)	723.68
3	As on 31st March of current year (FY 2008-09)	8138.01
	Consumers Contribution	
4	As on 31st March of previous year (FY 2007-08)	2149.59
5	Addition during current year (FY 2008-09)	200.00
6	As on 31st March of current year (FY 2008-09)	2349.59

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-24

Cash flow statement for the FY 2009-10 (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 assessment of timing of revenue, costs, investments and borrowings. These details have been provided by an annual cash flow statement as Annexure in Volume 2.
The Board would like to request the commission to consider the same for Processing of the ARR for the ensuing year.

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-25

Original Cost of Fixed Assets

(Rs. in crores)

Sr. No.	Assets Group	Value of Assets at the beginning of FY 2007-08	Addition During 2007-08	Closing Balance at the end of 2007-08	Addition During 2008-09(Projetced)	Closing Balance at End of 2008-09	Addition during 2009-10 (Projected)	Closing Balance at End of 2009-10
1	2	3	4	5	6	7	8	9
1	Thermal	2915.31	105.13	3020.44	2484.88	5505.32	44.22	5549.54
2	Hydro	5774.79	73.19	5847.98	12.72	5860.70	8.97	5869.67
3	Internal combustion	2.68	0.00	2.68	0	2.68	0	2.68
4	Transmission	1898.62	67.07	1965.69	595.15	2560.84	774	3334.84
5	Distribution	4685.45	761.75	5447.20	1361.32	6808.52	2883.35	9691.87
6	Others	136.74	0.00	136.74	95.41	232.15	112.7	344.85
7	Total	15413.59	1007.14	16420.73	4549.48	20970.21	3823.24	24793.45

**PUNJAB STATE ELECTRICITY BOARD
ANNUAL REVENUE REQUIREMENT FOR THE YEAR 2009-10**

Format-26

Works-in-Progress

(Rs. in crores)

S.N	Particulars	FY 2007-08 (actual)	FY 2008-09 RE	FY 2009-10 (Projections)
1	2	3	4	5
1	Opening balance	2785.5	3233.2	1651.6
2	Add:New investments	1538.4	2967.9	5016.4
3	Total	4323.9	6201.1	6668.1
4	Less investment capitalized	1090.7	4549.5	3823.2
5	Closing balance	3233.2	1651.6	2844.8

PUNJAB STATE ELECTRICITY BOARD
Annual Revenue Requirement for FY 2009-10

Format-27
Revenue from existing Tarrif

S.No	Category of consumers	Energy Sales MU	Tarriff Rates(p/unit)	Revenue (Rs in Cr)	Energy Sales MU	Tarriff Rates(p/unit)	Revenue(Rs in Cr)	Energy Sales MU	Tarriff Rates(p/unit)	Revenue(Rs in Cr)
1	2	3	4	5	6	7	8	9	10	11
	Year	2007-08			Year 2008-09 (RE)			Year 2009-10 (Projected)		
1	Domestic									
a)	upto 100 units	3639	178	647	3752	240	900	4033	240	968
b)	101-300 units	1880	316	593	1938	391	758	2097	391	820
c)	Above 300 units	972	365	355	1002	413	414	1084	413	448
	Total	6491	246	1595	6692	310	2072	7214	310	2236
2	NRS	1919	394	756	2067	490	1013	2320	490	1137
3	Public Lighting	140	429	60	147	440	65	158	440	70
4	Industrial Consumers									
a)	SP	738	318	235	731	358	262	741	358	265
b)	MS	1579	358	565	1555	396	616	1590	396	629
c)	LS	8733	366	3198	9081	395	3587	9812	395	3876
	Total	11050		3998	11367		4464	12143		4771
5	Bulk Supply	496	359	178	501	400	200	525	400	210
6	Grid Supply	5	308	2	6		2	6		2
7	Railway Traction	113	392	44	118	470	55	118	470	55
8	Common Pool	302		83	303		84	302		83
9	Outside State	1576		806	1541		923	1307		798
10	Total	22093		7523	22742		8878	24094		9362
11	AP Consumption	10030		18	9766		0	11699		0
12	Total	32122		7541	32509		8878	35793		9362
13	Add MMC,PLEC and other charges			243			253			272
14	Grand Total	32122		7785	32509		9131	35793		9634

Note

- 1) AP Consumption Revenue of Rs 18 Cr generated in FY07-08 is due to temporal supply
- 2) Projected domestic Energy Consumption for FY09-10 doesn't include the additional consumption caused by release of 1,48,000 new connections under RGGVY Scheme

PUNJAB STATE ELECTRICITY BOARD
Annual Revenue Requirement for FY 2009-10

Format 28

Annual Revenue Requirement for FY 2007-08

S.N	Item of expense	Proposed by the Board	Revised by the Board	Approved by the Commission	Actuals as per accounts
1	2	3	4	5	6
1	Cost of fuel	2922	2601	2484	2625
2	Cost of power purchase	4134	5619	5014	6020
3	Employee costs	1973	2062	1663	2035
5	R&M expenses	296	340	303	294
6	Administration and general expenses	87	72	70	70
7	Depreciation	697	640	640	669
8	Interest charges	1335	1087	634	858
9	Extra-ordinary Items & Other Debits	0.0	7.7		4.81
10	Add Prior Period Expenses				-111
11	Fringe Benefit Tax		5.0	4.6	5
12	Total revenue requirement	11444	12434	10812	12470
13	Return On Equity	413	413	412	412
14	Less: non tariff income	362	369	445	444
15	Net revenue requirement	11494	12477	10780	12438
16	Revenue from tariff	9076	10460	10502	7785
17	Govt Subsidy		914		2848
18	Gap	2418	1103	278	1805
19	Gap for FY 06-07	2529	2036	440	
20	Total gap	4947	3139	718	1805
21	Revenue surplus carried over				
22	Additional revenue from proposed tariff				
23	Regulatory asset				
24	Energy sales (MU)	29403	31540	30870	32122

PUNJAB STATE ELECTRICITY BOARD
Annual Revenue Requirement for FY 2009-10

Format 28 A
Annual Revenue Requirement for FY 2008-09

Sr. No.	Item of expense	Proposed by the Board	Revised by the Board	Approved by the Commission	Actuals as per Accounts
1	2	3	4	5	6
1	Cost of fuel	2978	2749	2743	
2	Cost of power purchase	5560	6507	4186	
3	Employee costs	2225	2244	1774	
4	Fringe Benefit Tax	5.20	5.25	4.56	
5	R&M expenses	398	354	323	
6	Administration and general expenses	90	72	79	
7	Depreciation	783	722	783	
8	Interest charges	1395	1207	767	
9	Carrying Cost of Gap			102	
10	Add Prior Period Expenses		19		
11	Extraordinary Items & Other Debits	7.68	4.81		
12	Total revenue requirement	13443	13884	10763	
13	Return on Equity	413	412	412	
14	Less: non tariff income	342	421	412	
15	Net revenue requirement	13514	13875	10763	
16	Revenue from Existing tariff	11398	9131	11231	
17	Govt Subsidy		2480		
18	Past Subsidy & Interest Payable by GOP		122		
18	Gap	2116	2142	-468	
19	Gap for FY 07-08	3139	1802	718	
20	Total gap	5254	3944	250	
21	Revenue surplus carried over				
22	Additional revenue from proposed tariff				
23	Regulatory asset				
24	Energy sales (MU)	33315	32509	32632	

PUNJAB STATE ELECTRICITY BOARD
Annual Revenue Requirement for FY 2009-10

Format 28 B
Annual Revenue Requirement for FY 2009-10

Sr. No.	Item of expense	Proposed by the Board	Revised by the Board	Approved by the Commission	Actuals as per accounts
1	2	3	4	5	6
1	Cost of fuel	3047			
2	Cost of power purchase	7265			
3	Employee costs	2447			
4	R&M expenses	407			
5	Administration and general expenses	76			
6	Depreciation	970			
7	Extraordinary Items & Other Debits	4.81			
8	Fringe Benefit Tax	6			
9	Interest charges	1586			
10	Total Cost	15807			
11	Return on Equity	412			
12	Less: non tariff income	444			
13	Annual Revenue Requirement	15775			
14	Revenue from Existing tariff	9634			
15	Gap	6141			
16	Govt Subsidy	3102			
17	Gap for 2007-08 & 2008-09	3944			
18	Total gap	6983			
19	Additional revenue from proposed tariff				
20	Regulatory asset				
21	Energy sales (MU)	35,819			

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Information Regarding Wholesale Price Index (All Commodities)

S.No	Period	WPI	Increase over Previous year
1	2	3	4
1	As on April of Previous Year	211.5	6.28%
2	As on April of Current Year	228.5	8.04%
3	As on July of Current Year	240	
4	As on April of Ensuing Year	N.A	

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Information regarding amount of Equity & Loan

(Rs. in crores)

S.N	Period	Amt. of Equity (Rs. in crores)	Amt. of Loan (Rs. in crores)	Ratio of equity & loan
1	2	3	4	5
1	As on March 31 of previous year	2946	12093	0.24
2	As on March 31 of current year	2946	15903	0.19
3	As on March 31 of ensuing year	2946	19533	0.15

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Information regarding Revenue from Other Business

S.N	Particulars	Amount(Rs. in crores)
1	2	3
1	Total revenue from other business	Nil
2	Income from other business to be considered for licensed business as per regulations	Nil

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Information regarding Bad and Doubtful Debts

Sr. No.	Particulars	Amount (Rs. in crores)
1	2	3
1	Amount of receivable bad and doubtful debts (audited)	1.031
2	Provision made for debts in ARR	N.A

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Information regarding Working Capital for the current and ensuing year

(Rs. in crores)

Sr. No.	Particulars	Current Year	Ensuing year
1	2	3	4
1	Fuel cost as per CERC norms(2 Months of Fuel & Oil Cost)	458.13	507.76
2	Maintenance spares for generation plants as per CERC norms	164.21	174.06
3	One month power purchase cost	542.25	605.38
4	One month employees cost and administration & general expenses	192.96	210.22
5	R&M expenses as already being allowed.	29.52	33.90
	Total	1387.07	1531.33

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Info regarding Foreign Exchange Rate Variation(FERV)

S.No	Particulars	Amount (Rs. In Crores)
1	2	3
1	Amount of Liability Provided	N.A
2	Amount Recovered	N.A
3	Amount Adjusted	N.A