

# **ESTIMATES OF FINANCIAL RESOURCES**

**2012-13 (L.E.) & 2013-14 (Estimates)**



**PUNJAB STATE POWER CORPORATION LIMITED**

# **ESTIMATES OF FINANCIAL RESOURCES**

**2012-13 (L.E.) & 2013-14 (Estimates)**



**FINANCIAL ADVISOR**  
**PUNJAB STATE POWER CORPORATION LIMITED**

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**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**SUMMARY STATEMENT**

**Proforma-1**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
<b>1</b>	<b>Installed Capacity(MW) at the end of the year (Details in Proforma-3)</b>						
	i) Hydel	2405.72	2405.72	2405.72	2405.72	2405.72	2405.72
	ii) Steam	2620.00	2620.00	2620.00	2630.00	2630.00	2640.00
	iii) Gas	-	-	-	-	-	-
	iv) Diesel	-	-	-	-	-	-
	v) Others(Wind etc.)	-	-	-	-	-	-
	<b>Total-1</b>	<b>5025.72</b>	<b>5025.72</b>	<b>5025.72</b>	<b>5035.72</b>	<b>5035.72</b>	<b>5045.72</b>
<b>2</b>	<b>Gross Generation inclusive of auxiliary consumption(Mkwh)(details in Proforma-3)</b>						
	i) Hydel	7366.47	9441.56	9964.99	8388.99	8555.38	8678.34
	ii) Steam	20295.70	18326.15	19068.23	19104.00	18812.51	19556.00
	iii) Gas	-	-	-	-	-	-
	iv) Diesel	-	-	-	-	-	-
	v) Others(Wind etc.)	-	-	-	-	-	-
	<b>Total:2</b>	<b>27662.17</b>	<b>27767.71</b>	<b>29033.22</b>	<b>27492.99</b>	<b>27367.89</b>	<b>28234.34</b>
3	Overall Plant Availability (Thermal) (%)	92.47	85.31	87.90	89.91	85.24	91.76
4	Overall PLF (Thermal) (%)	88.43	79.85	83.08	82.92	81.66	84.56

Note : The information/data of 2009-10 pertains to erstwhile PSEB

However, 2010-11 includes figures for the period 1.4.2010 to 16.4.2010 pertaining to erstwhile PSEB.

**Proforma-I(Contd)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
5	Auxiliary Consumption (Mkwh) with % in brackets below :-						
	i) Hydel	40.45 {0.55}	47.74 {0.51}	47.38 {0.48}	43.67 {0.52}	41.47 {0.49}	41.35 {0.48}
	ii) Steam	1719.99 {8.47}	1549.64 {8.46}	1617.14 {8.48}	1729.16 {9.05}	1623.61 {8.63}	1737.71 {8.89}
	iii) Gas	-	-	-	-	-	-
	iv) Diesel	-	-	-	-	-	-
	v) Others(Wind etc.)	-	-	-	-	-	-
	<b>Total-5</b>	<b>1760.44</b>	<b>1597.38</b>	<b>1664.52</b>	<b>1772.83</b>	<b>1665.08</b>	<b>1779.06</b>
6	Net Generation(2-5) (Mkwh)	25901.73	26170.33	27368.70	25720.16	25702.81	26455.28
7	Power Purchased(Mkwh)						
	i) Purchase from Central Sector	10893.64	11247.76	11480.56	14421.00	12061.41	12464.66
	ii) Purchase from IPPs/Private Sector	2674.70	3496.51	3243.48	8167.62	6813.97	10504.41
	iii) Purchase from State Utility	-	-	-	-	-	-
	iv) Purchase from others	1270.00	-4.77	187.26	-3671.20	903.78	-1710.07
	<b>Total (i) (ii) (iii) and (iv)</b>	<b>14838.34</b>	<b>14739.50</b>	<b>14911.30</b>	<b>18917.42</b>	<b>19779.16</b>	<b>21259.00</b>
8	Total Energy availability(6+7) (Mkwh)	40740.07	40909.83	42280.00	44637.58	45481.97	47714.28
9	T&D Losses(Mkwh)						
	i) Transmission Losses	8042.85	7428.48	7235.12	7517.51	7660.95	7803.37
	ii) Distribution Losses						
	<b>Total (i) and (ii)</b>						
10	% of T&D Losses (9 as of 8)	20.12	18.49	17.42	17.00	17.00	16.50
11	Energy available for sale(Mkwh) (Details in Proforma-4)						
	i) Within State	32236.00	33043.43	34600.17	37009.00	37708.11	39793.57
	ii) Outside the State	460.81	437.92	444.71	111.49	112.92	117.43
	iii) Energy sale through trading/UI	-	-	-	-	-	-
	<b>Total-11(i+ii+iii)</b>	<b>32696.81</b>	<b>33481.35</b>	<b>35044.88</b>	<b>37120.49</b>	<b>37821.03</b>	<b>39911.00</b>

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
12	Av.rate for sale (Paise/Kwh)						
	i) Within State	355.85	395.87	443.07	440.58	507.90	516.81
	ii) Outside the State	26.13	199.60	141.15	44.85	43.13	43.09
	iii) Energy sale through trading/UI	-	-	-	-	-	-
	<b>Sub-total (i) (ii) and (iii)</b>	<b>351.20</b>	<b>393.77</b>	<b>437.32</b>	<b>439.27</b>	<b>508.72</b>	<b>515.42</b>
13	Revenue Receipts						
	a) Revenue from sale						
	i) Within the State	8333.23	9705.49	11148.28	11604.20	13724.61	14643.44
	ii) Outside the State	12.04	87.41	62.77	5.00	4.87	5.06
	iii) Trading/UI	-	-	-	-	-	-
	<b>Sub-Total:-(i+ii+iii)</b>	<b>8345.27</b>	<b>9792.90</b>	<b>11211.05</b>	<b>11609.20</b>	<b>13729.48</b>	<b>14648.50</b>
	b) Misc. Receipts.	760.22	653.57	829.39	700.07	866.76	906.36
	c) Subsidy for:-						
	i) Domestic consumers	339.26	320.67	377.91	350.00	724.00	725.88
	ii) Agriculture consumers	2804.99	2702.87	3879.95	4351.41	4787.07	5196.53
	iii) Other subsidy/ Subsidy for earlier years	-	352.01	-75.86	-	-83.76	-
	Sub Total:(i+ii+iii)	<b>3144.25</b>	<b>3375.55</b>	<b>4182.00</b>	<b>4701.41</b>	<b>5427.31</b>	<b>5922.41</b>
	<b>Total:-13</b>	<b>12249.74</b>	<b>13822.02</b>	<b>16222.44</b>	<b>17010.68</b>	<b>20023.55</b>	<b>21477.27</b>
14	Revenue Expenditure						
	i) Fuel (Details in Proforma -5)	3652.31	3430.37	3719.51	4171.12	4318.14	4905.80
	ii) a) Power purchased (Details in Proforma-6)	4718.06	5852.46	5541.25	7207.38	7417.73	8680.57
	b) Transmission charges (PSTCL)	-	401.97	491.45	568.65	830.01	890.84
	iii) O&M Expenses (Details in Proforma-7)	2964.93	3636.83	4128.19	4508.32	4623.91	4994.05
	iv) Others	12.11	80.26	49.56	60.50	180.00	94.48
	<b>Total :-14</b>	<b>11347.41</b>	<b>13401.89</b>	<b>13929.96</b>	<b>16515.97</b>	<b>17369.79</b>	<b>19565.74</b>

\* Subsidy for earlier years Rs. -83.76 cr. (273.88-357.64) for the year 2012-13(RE)

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
15	Gross Operating Surplus(+)/Deficit(-) (13-14)	902.33	420.13	2292.48	494.71	2653.76	1911.53
16	Depreciation due	805.90	746.66	705.96	770.32	758.47	814.45
17	Net Operating Surplus(+)/Deficit(-) after Depreciation(15-16)	96.43	-326.53	1586.52	-275.61	1895.29	1097.08
18	Interest Payable to Institutional Creditors						
	i) Market loans(SLR Bonds)	9.54	6.19	2.93	-	-	-
	ii) LIC Loans	40.97	5.93	3.08	1.92	2.15	0.62
	iii) REC Loans	451.64	473.72	544.26	674.75	676.29	787.19
	iv) PFC Loans	11.08	9.16	7.87	20.23	6.92	5.74
	v) Other Loans (Including Banks)	1133.08	1203.35	1622.31	1946.95	1788.25	1913.72
	<b>Total:- 18</b>	<b>1646.31</b>	<b>1698.35</b>	<b>2180.45</b>	<b>2643.85</b>	<b>2473.61</b>	<b>2707.27</b>
19	Net Operating Surplus(+)/Deficit(-) after interest to Institutional Creditors (17-18)	-1549.88	-2024.88	-593.93	-2919.46	-578.32	-1610.19
20	Interest due to State Govt.	-	-	-	-	-	-
21	Commercial Profit(+)/Loss(-)with Subsidy(19-20)	-1549.88	-2024.88	-593.93	-2919.46	-578.32	-1610.19
22	Commercial Profit(+)/Loss(-)without Subsidy(21-13)	-4694.13	-5400.43	-4775.93	-7620.87	-6005.63	-7532.60
23	Interest actually paid to State Govt.	-	-	-	-	-	-
24	Retained Surplus(+)/Deficit(-) (19-23)	-1549.88	-2024.88	-593.93	-2919.46	-578.32	-1610.19

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
25	<b>INTERNAL RESOURCES</b>						
	i) Retained revenue Surplus(+)/Deficit(-)	-1549.88	-2024.88	-593.93	-2919.46	-578.32	-1610.19
	ii) Depreciation	791.43	647.39	679.85	770.32	758.47	814.45
	iii) Debt, Deposits & other receipts(net)	522.21	-1168.88	258.00	-	-	-
	iv) Provident Fund/Pension Fund (net)				-	-	-
	v) Consumers Contributions	341.02	108.28	245.65	115.00	250.00	300.00
	vi) Actual Subvention from Govt.						
	vii) Draw down inventory	-91.43	-246.68	-59.26	-	-	-
	viii) Draw down of Cash	-216.59	111.25	-213.11	-	-	-
	ix) Other, if any	-	-	-	-	-	-
	<b>Gross (Internal Resources) at current rates of tariff ( i to ix)</b>	<b>-203.24</b>	<b>-2573.52</b>	<b>317.20</b>	<b>-2034.14</b>	<b>430.15</b>	<b>-495.74</b>
26	Repayments of loans						
	i) To LIC	55.16	12.92	11.61	10.01	10.01	8.26
	ii) To REC	765.09	397.53	537.48	556.37	651.38	689.45
	iii) To PFC	39.85	21.31	19.15	17.82	17.91	17.73
	iv) To State Govt., if any	-	-	-	-	-	-
	v) Others	318.16	151.64	183.00	173.36	186.89	266.31
	<b>Total :- 26</b>	<b>1178.26</b>	<b>583.40</b>	<b>751.24</b>	<b>757.56</b>	<b>866.19</b>	<b>981.75</b>
27	<b>Net Internal Resources at current rates tariff (25-26)</b>	<b>-1381.50</b>	<b>-3156.92</b>	<b>-434.04</b>	<b>-2791.70</b>	<b>-436.04</b>	<b>-1477.49</b>



**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
<b>28</b>	<b><u>Other Supporting Information:</u></b>						
	i) Net fixed assets in service at the beginning of the year (Rs.crore)	10339.34	29347.38	29186.64	11276.32	29466.54	30213.04
	ii) Cumulative depreciation at the beginning of the year (Rs.crore)	8092.43	8017.69	8665.08	9460.36	9344.93	10103.39
	iii) Cumulative depreciation at the end of the year(Rs.crore)	8883.86	8665.08	9344.93	10230.68	10103.39	10917.84
	iv) Break up of interest due to State Govt. and Institutional Creditors at the end of the year on account of:-						
	(a) Works-in-progress	248.34	73.18	48.86	122.17	66.37	105.41
	(b) Completed works	595.17	754.29	933.88	1163.23	1035.11	1135.67
	<b>Total:(a+b)</b>	<b>843.51</b>	<b>827.47</b>	<b>982.74</b>	<b>1285.40</b>	<b>1101.48</b>	<b>1241.08</b>
	v) State Electricity Duty (SED) (collected)	758.59	1133.20	1405.79	1470.00	1540.00	1695.00
	vi) State Electricity Duty paise per unit realized from consumers who pay such duty	35.85	50.49	58.82	59.69	59.67	62.05
	vii) State Electricity Duty per unit of total sales(Paise)	23.20	33.85	40.11	39.60	40.72	42.47
	viii) No. of Employees of the Board at the end of the year						
	a) Technical Staff	39579	36626	33139	31610	30157	27363
	b) Non Technical Staff	24729	23282	20312	21515	18484	16769
	ix) No. of employees per million Kwh sold	1.97	1.79	1.53	1.43	1.29	1.11
	x) No. of consumers at the end of year	6918145	7320631	7608007	7921284	7960051	8332328

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
	xi) No. of employees per 1000 Consumers	9.30	8.18	7.03	6.71	6.11	5.30
	xii) (a) Subsidy as claimed by SPU at the end of the year	3144.25	3375.55	4182.00	4701.41	5427.31	5922.41
	(b) Subsidy as received by SPU at the end of the year	3144.25	3375.55	4182.00	4701.41	5427.31	5922.41
	(c) Balance due	-	-	-	-	-	-
	xiii) (a) Taxes levied by the State Govt. on the consumers in addition to tariff (Rs.crore).	-	-	-	-	-	-
	(b) Tax levied per unit of energy sold(P/U)	-	-	-	-	-	-
	<b>xiv) Wage Bill</b>						
	(a) For Technical Staff						
	(b) For General Staff	2502.98	3111.58	3617.68	3946.17	4049.22	4370.34
	xv) Outstanding interest due to State Govt. at the end of the year	-	-	-	-	-	-
	xvi) Equity Capital, if any	2946.11	2617.11	2617.11	2617.11	2617.11	2617.11
	xvii) a. Date of tariff revision(indicate the date in each year)	08.09.09	23.4.10	09.05.11		16.07.12	
		(w.e.f 1.4.09)	(w.e.f 1.4.10)	(w.e.f 1.4.11)		(w.e.f 1.4.12)	
	b. Tariff awarded by PSERC (Yes/No)	Yes	Yes	Yes		Yes	
	xviii) Revenue arrears at the end of the year						
	(a) Amount realisable excluding Bad debts	753.46	1147.12	1207.44			
	(b) As% of sales revenue of the year	9.03%	11.71%	10.77%			
	(c) Arrears of Central Govt./State Govt. offices/Undertakings						
	(d) Arrears from Bulk/Other Consumers						
	(e) Arrears under dispute in the courts						
	xix) Tax on income, if any						

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
	<b>xx) Loan outstanding at the end of the year:</b>						
	(a) State Govt.	520.07	-	-	-	-	-
	(b) Market loan	59.15	30.98	-	-	-	-
	(c) LIC loan	351.45	36.22	24.61	14.61	14.60	6.34
	(d) REC loan	4000.71	4547.08	5153.74	6061.35	5846.36	6486.91
	(e) PFC loan	137.24	115.93	96.78	267.75	78.87	61.14
	(f) Other Loans (Including Banks)	2402.88	2330.50	2635.89	3850.83	2545.26	2848.95
	<b>Sub Total (a to f)</b>	7471.50	7060.71	7911.02	10194.54	8485.09	9403.34
	(g) Working capital loans	7699.84	9837.47	9945.99	9798.00	10679.93	11172.42
	<b>Total:(a to g)</b>	<b>15171.34</b>	<b>16898.18</b>	<b>17857.01</b>	<b>19992.54</b>	<b>19165.02</b>	<b>20575.76</b>
	<b>xxi) Inventory on revenue(Maintenance) account at the end of the year</b>						
	(a) Coal	196.10	328.10	351.69	250.00	351.69	351.69
	(b) Oil	16.62	46.31	35.03	25.00	35.03	35.03
	(c) Others	162.22	197.58	209.45	130.00	209.45	209.45
	<b>(d) Total:</b>	<b>374.94</b>	<b>571.99</b>	<b>596.17</b>	<b>405.00</b>	<b>596.17</b>	<b>596.17</b>
	(e) % of Inventory to Sales Revenue of the year	4.49%	5.84%	5.32%	3.49%	4.34%	4.07%
	xxii) Amount due from other Boards/Agencies	65.69	70.27	69.41			
	xxiii) Equity Capital , if any during the year						

**Proforma-I(Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
	<b>xxiv) Loan sanctioned during the year</b>						
	a) State Govt.	-1140.43	-				
	b) Market Borrowings	24.40	-	-	-	-	-
	c) LIC	-	-	-	-	-	-
	d) REC	700.96	1216.60	1144.14	1677.00	1344.00	1330.00
	e) PFC	-	-	-	161.00	0.00	0.00
	f) Others	731.85	368.55	457.41	1448.00	96.26	570.00
	g) Working Capital Loan (Net)	1844.85	2893.91	108.52	-418.00	733.94	492.49
	<b>Total:</b>	<b>2161.63</b>	<b>4479.06</b>	<b>1710.07</b>	<b>2868.00</b>	<b>2174.20</b>	<b>2392.49</b>
	<b>xxv) No: of rural household electrified</b>						
	a) RGGVY*	9838	36262	5528		36075	
	b) Non-RGGVY	92529	109920	109778			
	c) BPL*	9838	36262	5528		36075	

\* RGGVY scheme (Centrally sponsored Scheme ) is only for releasing of electric connection to BPL Household. Total revised target is 90000 nos in villages of Punjab State. The target of 90000 is expected to be completed during 2012-13.

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Financing of Capital Expenditure**

**PROFORMA-2**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
<b>1</b>	<b><u>Block Capital</u></b>						
	(a) Capital employed at the beginning of the year:						
	i) On Completed Works	18431.77	37365.07	37852.68	20692.23	38811.47	40316.47
	ii) On Works-in-progress (GH-14)	1031.14	812.53	900.19	1008.26	1048.71	1403.71
	(b) Capital employed during the year						
	i) On Completed Works	2014.48	487.61	958.79	1919.63	1505.00	1438.00
	ii) On Works-in-progress	-350.26	87.66	148.52	1356.66	355.00	762.00
	(c) Total: (a+b)	21127.13	38752.87	39860.18	24986.68	41720.18	43920.18
<b>2</b>	<b><u>Financing of Capital Expenditure</u></b>						
	(a) i) Loans received under R-APDRP (Part-A)	81.85	-	59.76	725.00		
	ii) Loans received under R-APDRP (Part-B)	-	68.55	147.65	-	-	
	iii) Grants received under R-APDRP & RGGVY	-	-	-	-	-	
	iv) Grants received under R-APDRP & RGGVY	-	-	-	-	-	
	v) Other Subsidy and grants received	93.53	0.39	-	-	-	
	(b) i) State Govt. loans (Gross)	-	-	-	-	-	-
	ii) Repayments, if any	1140.43	-	-	-	-	-
	iii) Net Loans (i-ii)	-1140.43	-	-	-	-	-
	(c) i) Market Borrowings (Gross)	-	-	-	-	-	-
	ii) Repayments, if any	34.69	28.17	30.98	-	-	-
	iii) Net Loans(i-ii)	-34.69	-28.17	-30.98	-	-	-
	(d) i) Borrowings from LIC (Gross)	-	-	-	-	-	-
	ii) Repayments, if any	55.16	12.92	11.61	10.01	10.01	8.26
	iii) Net Loans(i-ii)	-55.16	-12.92	-11.61	-10.01	-10.01	-8.26
	(e) i) Borrowings from REC (Gross)	700.97	1216.6	1144.14	1677.00	1344.00	1330.00
	ii) Repayments, if any	765.09	397.53	537.48	556.37	651.38	689.45
	iii) Net Loans(i-ii)	-64.12	819.07	606.66	1120.63	692.62	640.55
	(f) i) Borrowings from PFC (Gross)	-	-	-	161.00	-	-
	ii) Repayments, if any	39.84	21.31	19.15	17.72	17.91	17.73
	iii) Net Loans(i-ii)	-39.84	-21.31	-19.15	143.28	-17.91	-17.73
	(g) i) Borrowings from others (Gross)	674.40	368.55	457.41	723.00	96.26	570.00
	ii) Repayments, if any	283.48	123.47	152.02	173.36	186.89	266.31
	iii) Net Loans (i-ii)	390.92	245.08	305.39	549.64	-90.63	303.69
	(h) Working Capital Loans (Net)	1844.85	2893.91	108.52	-418.00	733.94	492.49

**PROFORMA-2 (Contd)**  
**(Rs.Crore)**

Sr. No.	Item	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
	Total Capital receipts for financing the Capital Expenditure	3395.60	4548.00	1917.48	2868.00	2174.20	2392.49
3	Internal Resources (after providing for repayment of institutional loans)	-1381.50	-3156.92	-434.04	-2791.70	-436.04	-1477.49
4	Total resources for Capital Expenditure (3+4)	2014.10	1391.08	1483.44	76.29	1738.16	915.00
5	Capital Expenditure						
6	i) Plan	2014.09	1391.08	1483.44	3286.19	1860.00	2200.00
	ii) Outside the plan						
	<b>TOTAL - 6</b>						
7	<b>Capital Structure</b>						
	i) Equity portion	5.00	5.00	5.00	5.00	5.00	5.00
	ii) Loans portion	15171.34	16898.18	17857.01	19992.54	19165.02	20575.76
	iii) Debt Equity ratio before conversion of loan to equity						
	iv) Loan converted into equity	2941.11	2612.11	2611.12	2611.12	2611.12	2611.12
	v) Debt Equity ratio after conversion	5.15	6.46	6.83	7.64	7.33	7.86
8	Equity diluted during the year						
9	Share held by the State Govt.after dilution						

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Performance of Generating Stations**

PROFORMA-3

Installed Capacity: IC:MW

Energy Generation:EG(Gross):Mkwh.

Cost of Generation at bus bar

Plant Availability:PA: %

Plant Load Factor:PLF: %

Sr. No.	Name of Power Station	2009-10(Actual)					2010-11(Provisional)					2011-12 (Provisional)				
		IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF	IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF	IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
I	<b><u>THERMAL</u></b>															
1	GNDTP-I & II	440.00	2723	3.00	83.94	70.66	440.00	1775.21	3.49	58.58	46.06	440	1883	3.59	59.93	48.85
2	GGSTP-I,II & III	1260.00	10056	2.63	92.09	91.11	1260.00	9717.85	2.43	92.69	88.04	1260	9564	2.59	91.36	86.65
3	GHTP-I	920.00	6042	2.06	96.07	96.44	920.00	6833.09	2.42	88.00	84.79	920	7621	2.45	96.55	94.57
4	GHTP-II	0.00	1474													
	<b>Total(I)</b>	<b>2620</b>	<b>20295</b>		<b>92.47</b>	<b>88.43</b>	<b>2620.00</b>	<b>18326.15</b>		<b>85.31</b>	<b>79.85</b>	<b>2620.00</b>	<b>19068.23</b>		<b>87.90</b>	<b>83.08</b>
II	<b><u>HYDEL</u></b>															
1	Shanan Power House	110.00	510.50	0.38			110.00	597.97				110.00	517.30			
2	UBDC Power House	91.35	336.70	1.02			91.35	410.01				91.35	295.45			
3	Anandpur Sahib P.H.	134.00	574.40	0.66			134.00	741.68				134.00	807.13			
4	Mukerian Hydel Project-I&II	207.00	885.90	0.78			207.00	1069.73				207.00	1357.75			
5	Micro Hydel Schemes	5.60	12.79	1.23			5.60	10.48				5.60	4.49			
6	Ranjit Sagar Dam Project	600.00	1069.00	5.45			600.00	1737.67				600.00	1927.73			
	<b>Total( II )</b>	<b>1147.95</b>	<b>3389</b>				<b>1147.95</b>	<b>4567.55</b>				<b>1147.95</b>	<b>4909.85</b>			
	<b>Total( I+II )</b>	<b>3767.95</b>	<b>23685</b>				<b>3767.95</b>	<b>22893.70</b>				<b>3767.95</b>	<b>23978.08</b>			
III	PSEB share in Common Pool Projects	1257.77	3977	0.34			1257.77	4874.01				1257.77	5055.14			
	<b>Grand Total(I+II+III)</b>	<b>5025.72</b>	<b>27662</b>				<b>5025.72</b>	<b>27767.71</b>				<b>5025.72</b>	<b>29033.22</b>			

**PROFORMA-3(Contd)**

**Installed Capacity: IC:MW**

**Energy Generation:EG(Gross):Mkwh.**

**Cost of Generation at bus bar**

**Plant Availability:PA: %**

**Plant Load Factor:PLF: %**

Sr. No.	Name of Power Station	2012-13 (Estimates)					2012-13 (Revised Plan)					2013-14 (Annual Plan)				
		IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF	IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF	IC	EG	Cost of Gen. (Rs./Kwh)	PA	PLF
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
I	<b><u>THERMAL</u></b>															
1	GNDTP-I & II	450.00	2815.00		81.10	71.41	450.00	1784	4.14	54.36	45.26	460.00	3018	4.42	86.37	74.90
2	GGSTP-I,II & III	1260.00	9300.00		91.00	84.26	1260.00	9678	3.00	91.00	87.68	1260.00	9300	3.50	91.00	84.26
3	GHTP-I	920.00	6989.00		92.00	86.72	920.00	7350	2.90	92.45	91.20	920.00	7238	3.20	95.50	89.81
	GHTP-II															
	<b>Total( I )</b>	<b>2630.00</b>	<b>19104.00</b>		<b>89.91</b>	<b>82.92</b>	<b>2630</b>	<b>18813</b>		<b>85.24</b>	<b>81.66</b>	<b>2640</b>	<b>19556</b>		<b>91.76</b>	<b>84.56</b>
II	<b><u>HYDEL</u></b>															
1	Shanan Power House	110.00	545.11				110.00	446.11				110.00	514.08			
2	UBDC Power House	91.35	378.43				91.35	326.31				91.35	347.57			
3	Anandpur Sahib P.H.	134.00	678.76				134.00	706.22				134.00	714.35			
4	Mukerian Hydel Project-I&II	207.00	1112.37				207.00	1288.93				207.00	1204.49			
5	Micro Hydel Schemes	5.60	9.37				5.60	8.35				5.60	9.06			
6	Ranjit Sagar Dam Project	600.00	1454.69				600.00	1400.97				600.00	1511.17			
	<b>Total( II )</b>	<b>1147.95</b>	<b>4178.73</b>				<b>1147.95</b>	<b>4176.89</b>				<b>1147.95</b>	<b>4300.72</b>			
	<b>Total( I+II )</b>	<b>3777.95</b>	<b>23282.73</b>				<b>3777.95</b>	<b>22989</b>				<b>3787.95</b>	<b>23857</b>			
III	PSEB share in Common Pool Projects	1257.77	4210.26				1257.77	4378.49				1257.77	4377.62			
	<b>Grand Total(I+II+III)</b>	<b>4888.11</b>	<b>27492.99</b>				<b>5035.72</b>	<b>27367.89</b>				<b>5045.72</b>	<b>28234.34</b>			



**PUNJAB STATE POWER CORPORATION LIMITED  
ANNUAL PLAN-2013-14**

**Categorywise Energy sale/average rate per unit and Revenue  
(Excluding State Electricity Duty)**

**Average Rate:AR(Paise/Kwh)  
Revenue :RV:(Rs.Crore)**

**Proforma-4  
Energy sold:ES:(Mkwh)**

Sr. No.	Category of Consumers	2009-10 (Actuals)				2010-11 (Provisional)				2011-12 (Provisional)			
		Energy sold	Average rate(Paise/Kwh)	Revenue (Rs.Crore)	No.of Consumers	Energy sold	Average rate(Paise/Kwh)	Revenue (Rs.Crore)	No.of Consumers	Energy sold	Average rate(Paise/Kwh)	Revenue (Rs.Crore)	No.of Consumers
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Domestic	7270 [22.24]	290	2108 [25.28]	4871970	8176 [24.42]	319	2604 [26.55]	5189557	8818 [25.16]	377	3328 [29.70]	5420916
2	Commercial	2135 [6.53]	487	1040 [12.47]	823370	2468 [7.37]	510	1258 [12.83]	866914	2682 [7.65]	581	1558 [13.90]	895949
3	Public Lighting	136 [0.42]	508	69 [0.83]	2297	131 [0.39]	641	84 [0.86]	2544	139 [0.40]	624	87 [0.78]	2788
4	Irrigation & Dewatering	10626 [32.50]		-	1105517	10150 [30.32]		521	1143267	10256 [29.27]		2	1163274
5	<b>Industries:</b>												
	i) L.T.(Small Power)	771 [2.36]	396	305 [3.66]	84813	841 [2.51]	403	339 [3.46]	86966	884 [2.52]	463	409 [3.65]	89244
	ii) H.T.(Medium Power)	1609 [4.92]	442	711 [8.52]	23972	1768 [5.28]	454	802 [8.18]	24863	1823 [5.20]	513	935 [8.35]	25656
	iii) Power Intensive & Spl. (Large supply)	8743 [26.74]	425	3713 [44.52]	5705	8522 [25.45]	433	3690 [37.62]	6015	8996 [25.67]	483	4345 [38.77]	6307
	<b>Total i+ii+iii</b>	<b>11123 [34.02]</b>	<b>425</b>	<b>4728.84 [56.71]</b>	<b>114490</b>	<b>11131 [33.25]</b>	<b>434</b>	<b>4831 [49.26]</b>	<b>117844</b>	<b>11702 [33.39]</b>	<b>486</b>	<b>5689 [50.77]</b>	<b>121207</b>
6	Commom Pool	303 [0.93]	319	97 [1.16]		303 [0.91]	367	111 [1.13]		305 [0.87]	390	119 [1.06]	
7	Bulk/Grid supply	496 [1.52]	425	211 [2.53]	492	540 [1.61]	439	237 [2.42]	496	560 [1.60]	499	279 [2.49]	501
8	Railway Traction	147 [0.45]	496	73 [0.87]	9	144 [0.43]	517	75 [0.76]	9	138 [0.39]	593	82 [0.73]	9
10	<b>Total (1 to 8)</b>	<b>32236 [98.59]</b>	<b>356*</b>	<b>8327 [99.86]</b>	<b>6918145</b>	<b>33043 [98.69]</b>	<b>396*</b>	<b>9721 [99.11]</b>	<b>7320631</b>	<b>34600 [98.73]</b>	<b>443*</b>	<b>11144 [99.44]</b>	<b>7608007</b>
11	Out side the State	460.81 1.41	26	12 [0.14]		438 [1.31]	200	87 [0.89]		445 [1.27]	141	62.77 [0.56]	
	<b>Grand Total</b>	<b>32697 [100]</b>	<b>351</b>	<b>8339 [100]</b>	<b>6918145</b>	<b>33481 [100]</b>	<b>394</b>	<b>9808 [100]</b>	<b>7320631</b>	<b>35045 [100]</b>	<b>437</b>	<b>11207 [100]</b>	<b>7608007</b>
	Prior period adjustment			6				-15				4	
	<b>Total</b>			<b>8345</b>				<b>9793</b>				<b>11211</b>	

\*Rate per unit has been worked out after taking into account subsidy. For the year 2009-10, 2010-11 and 2011-12 the amount of subsidy is Rs.3144.25, 3375.55 and 4182 crore respectively.

Proforma-4(Contd)

Sr No	Category of consumers	2012-13 (Estimates)				2012-13 (Revised Estimates)				2013-14 (Annual Plan)			
		Energy sold Kwh	Average rate(Paise/ Kwh)	Revenue (Rs.Crore)	No.of Con- sumers	Energy sold Kwh	Average rate(Paise/ Kwh)	Revenue (Rs.Crore)	No.of Con- sumers	Energy sold Kwh	Average rate(Paise/ Kwh)	Revenue (Rs.Crore)	No.of Con- sumers
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Domestic	10082 [27.16]	391	3943 [33.97]	5643126	9535 [25.21]	417	3973 [28.94]	5693046	10452 [26.19]	494	4434 [25.08]	5978837
2	Commercial	3126 [8.42]	564	1763 [15.19]	920390	2902 [7.67]	612	1775 [12.93]	928741	3218 [8.06]	617	1985 [9.65]	962733
3	Public Lighting	129 [0.35]	555	72 [0.62]	2641	146 [0.39]	612	89 [0.65]	2840	143 [0.36]	617	88 [0.43]	2893
4	Irrigation & Dewatering	11922 [32.12]	365	0	1232092	11456 [30.29]		4 [0.03]	1210387	12029 [30.14]			1259407
5	<b>Industries:</b>												
	i) L.T.(Small Power)	939 [2.53]	455	427 [3.68]	89708	917 [2.42]	519	476 [3.47]	91279	972 [2.43]	524	509 [2.48]	93360
	ii) H.T.(Medium Power)	1918 [5.17]	503	965 [8.31]	26245	1852 [4.90]	570	1056 [7.69]	26592	1953 [4.89]	575	1123 [5.46]	27563
	iii) Power Intensive & Spl. (Large supply)	7856 [21.16]	503	3952 [34.04]	6573	9864 [26.08]	588	5803 [42.27]	6649	9956 [24.95]	575	5925 [28.80]	7011
	<b>Total i+ii+iii</b>	<b>10713 [28.86]</b>		<b>5344 [46.03]</b>	<b>122526</b>	<b>12633 [33.40]</b>		<b>7335 [53.43]</b>	<b>124520</b>	<b>12881 [32.27]</b>		<b>7557 [51.10]</b>	<b>127934</b>
6	Common Pool	305 [0.82]	327	100 [0.86]		305 [0.81]	410	125 [0.91]		304 [0.76]	435	132 [0.64]	
7	Bulk/Grid supply	576 [1.55]	506	291 [2.51]	500	591 [1.56]	570	337 [2.45]	508	622 [1.56]	575	358 [1.74]	515
8	Railway Traction	156 [0.42]	585	91 [0.79]	9	140 [0.37]	612	86 [0.63]	9	145 [0.36]	617	89 [0.43]	9
9	<b>Total (1 to 8)</b>	<b>37009</b>	<b>441*</b>	<b>11604</b>	<b>7921284</b>	<b>37708</b>	<b>508*</b>	<b>13725</b>	<b>7960051</b>	<b>39794</b>	<b>517*</b>	<b>14643</b>	<b>8332328</b>
	<b>Net within State</b>	<b>[99.70]</b>		<b>[99.96]</b>		<b>[99.70]</b>		<b>[99.96]</b>		<b>[99.71]</b>		<b>[99.98]</b>	
10	Out side the State	111.49 [0.30]	45	5 [0.04]		113 [0.30]	43	5 [0.04]		117 [0.29]	43	5 [0.02]	
	<b>Grand Total</b>	<b>37120</b>	<b>439</b>	<b>11609</b>	<b>7921284</b>	<b>37821</b>	<b>509</b>	<b>13729</b>	<b>7960051</b>	<b>39911</b>	<b>515</b>	<b>14648</b>	<b>8332328</b>

\*Rate per unit has been worked out after taking into account subsidy. For the year 2012-13 (Estimate), 2012-13 (RE) and 2013-14 (Annual Plan) the amount of subsidy is Rs.4701.41, 5427.31 and 5922.41 crore respectively.

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Expenditure on Fuel (Coal/Lignite)**

**PROFORMA-5**  
**MT : Metric Tone**  
**ML : Milli Litre**  
**KL : Kilo Litre**

Sr No	Year	Name of Thermal Station	Energy Generation (Mkwh)	Consumption				Cost		Total Fuel Cost			Cost/Kwh(Pasie)		
				Coal MT Total	Oil Kg/ Kwh	Oil KL Total	ML/ Kwh	Coal (Rs.per MT)	Oil (Rs.per KL)	Coal	Oil	Total	Coal	Oil	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2009-10 Actuals	i.GNDTP,Bathinda	2723	2027343	0.744	6770	1.57	2544	26008	523.57	17.61	541.18	192.25	6.47	198.72
		ii.GGSSTP,Ropar	10056	6688917	0.665	6230	0.62	2780	24380	1859.21	15.19	1874.40	184.89	1.51	186.40
		iii.GHTP,L.Mohabat	6042	3631810	0.601	2215	0.37	2655	28536	964.10	6.32	970.42	159.57	1.05	160.61
		iv.GHTP Stage-II	1474									235.85	0.00	0.00	0.00
		<b>TOTAL:</b>	<b>20295</b>	<b>12348070</b>		<b>15214.8</b>					<b>3346.88</b>	<b>39.12</b>	<b>3621.85</b>	<b>164.91</b>	<b>1.93</b>
									<b>Add:Prior Period</b>						
												30.46			
												<b>3652.31</b>			
2	2010-11 Provisional	i.GNDTP,Bathinda	1775.21	1321124	0.744	6634	3.74	2766	35275	365.20	23.40	388.60	205.72	13.18	218.90
		ii.GGSSTP,Ropar	9717.85	6408051	0.659	3612	0.37	2881	27208	1855.81	9.83	1865.64	190.97	1.01	191.98
		iii.GHTP,L.Mohabat I&II	6833.09	4190723	0.613	3963	0.58	2757	34074	1158.93	13.50	1172.43	169.61	1.98	171.58
		<b>TOTAL:</b>	<b>18326</b>	<b>11919898</b>		<b>14209</b>				<b>3379.94</b>	<b>46.73</b>	<b>3426.67</b>	<b>184.43</b>	<b>2.55</b>	<b>186.98</b>
												<b>Add:Prior Period</b>			
												3.70			
												<b>3430.37</b>			
3	2011-12 Provisional	i.GNDTP,Bathinda	1883.01	1388942	0.738	3344	1.78	2986	36911	415.61	12.34	427.95	220.72	6.55	227.27
		ii.GGSSTP,Ropar	9563.96	6197873	0.648	4418	0.46	3071.8	35650	1909.69	15.75	1925.44	199.68	1.65	201.32
		iii.GHTP,L.Mohabat I&II	7621	4538816	0.596	2812	0.37	2976	38940	1355.17	10.95	1366.12	177.81	1.44	179.25
		<b>TOTAL:</b>	<b>19068</b>	<b>12125631</b>		<b>10574</b>				<b>3680.47</b>	<b>39.04</b>	<b>3719.51</b>	<b>193.02</b>	<b>2.05</b>	<b>195.06</b>

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Expenditure on Fuel**

**PROFORMA-5 (Contd.)**  
**MT : Metric Tone**  
**ML : Milli Litre**  
**KL : Kilo Litre**

Sr No	Year	Name of Thermal Station	Energy Generation (Mkwh)	Consumption				Cost		Total Fuel Cost			Cost/Kwh(Pasie)		
				Coal		Oil		Coal	Oil	Coal	Oil	Total	Coal	Oil	Total
				MT Total	Kg Kwh	KL Total	ML Kwh	(Rs.per MT)	(Rs.per KL)	(Rs.Crore)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
4	2012-13 Estimates	i.GNDTP,Bathinda	2815	2083380	0.7401	7038	2.50	3186	39921	663.81	28.09	691.90	235.81	9.98	245.79
		ii.GGSSTP,Ropar	9300	6168355	0.6633	9300	1.00	3299	37332	2034.78	34.72	2069.50	218.79	3.73	222.53
		iii.GHTP,L.Mohabat I&II	6989	4343288	0.6214	6989	1.00	3172	45536	1377.89	31.83	1409.72	197.15	4.55	201.71
			<b>19104</b>	<b>12595023</b>		<b>23327</b>				<b>4076.48</b>	<b>94.64</b>	<b>4171.12</b>	<b>213.38</b>	<b>4.95</b>	<b>218.34</b>
5	2012-13 (Revised Estimates)	i.GNDTP,Bathinda	1784	1259241	0.706	2675	1.50	3490	50430	439.42	13.49	452.91	246.30	7.56	253.86
		ii.GGSSTP,Ropar	9678	6143435	0.635	7188	0.74	3657	43837	2246.68	31.51	2278.19	232.14	3.26	235.40
		iii.GHTP,L.Mohabat I&II	7350	4428546	0.602	4488	0.61	3538	45120	1566.79	20.25	1587.04	213.16	2.75	215.91
			<b>18813</b>	<b>11831222</b>		<b>14351</b>				<b>4252.89</b>	<b>65.25</b>	<b>4318.14</b>	<b>226.07</b>	<b>3.47</b>	<b>229.54</b>
6	2013-14 Annual Plan	i.GNDTP,Bathinda	3018.00	2120824	0.703	4527	1.50	3709	53945	792.25	24.42	816.67	262.51	8.09	270.60
		ii.GGSSTP,Ropar	9300	5905500	0.635	9300	1.00	3901	46905	2315.84	43.62	2359.46	249.02	4.69	253.71
		iii.GHTP,L.Mohabat I&II	7238	4477670	0.619	7238	1.00	3767	48291	1694.72	34.95	1729.67	234.14	4.83	238.97
			<b>19556</b>	<b>12503994</b>		<b>21065</b>				<b>4802.81</b>	<b>102.99</b>	<b>4905.80</b>	<b>245.59</b>	<b>5.27</b>	<b>250.86</b>

**PUNJAB STATE POWER CORPORATION LIMITED**  
**Annual Plan 2013-14**  
**Expenditure on Fuel ( Gas )**

**PROFORMA-5-B**  
**MT : Metric Tone**  
**ML : Milli Litre**  
**KL : Kilo Litre**

Sr No	Name of Thermal Station	Energy Generation (Mkwh)	Consumption Gas		Cost ( Rs.) Gas (Per SCM.)	Total Fuel Cost (Rs. Crore)	Cost/Kwh ( Rs./ Kwh )
			Total (cu.mt./ Million Kwh) SCM	SCM			
1	2	3	4	5	6	7	8
<b>NIL</b>							
	<b>TOTAL</b>						

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Revenue Expenditure-Cost of Power Purchased**

**PROFORMA-6**  
Purchase:Mkwh  
Rate :Paise/Kwh  
Total Cost:Rs.Crore

Sr. No.	Source	2009-10(Actuals)			2010-11 (Provisional)			2011-12 (Provisional)		
		Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)
1	2	3	4	5	6	7	8	9	10	11
A	<b>Central Sector Purchase</b>									
	<b><u>NTPC</u></b>									
1	Anta	297.00	280.51	83.31	267.70	375.91	100.63	278.12	460.95	128.20
2	Auraiya	528.31	229.92	121.47	461.27	335.72	154.86	406.97	474.38	193.06
3	Dadri	766.00	255.80	195.94	710.50	332.50	236.24	694.27	448.21	311.18
4	Singrauli	1710.70	146.36	250.37	1707.67	189.21	323.11	1547.91	190.62	295.07
5	Rihand-I	1003.00	187.91	188.47	801.61	217.92	174.69	876.02	239.53	209.83
6	Rihand -II	865.00	222.52	192.48	857.81	237.37	203.62	799.61	251.27	200.92
7	Unchahar-I	290.20	248.45	72.10	227.71	305.48	69.56	222.73	353.07	78.64
8	Unchahar-II	496.00	260.38	129.15	417.24	308.63	128.77	380.74	363.35	138.34
9	Unchahar-III	168.03	285.01	47.89	123.12	365.54	45.01	128.76	407.27	52.44
10	Farakha (ER)	223.65	303.83	67.95	130.88	381.49	49.93	122.37	440.39	53.89
11	Kahal gaon-I (ER)	356.00	278.29	99.07	256.66	325.26	83.48	255.89	411.93	105.41
12	Kahal gaon-II (ER)	402.00	281.44	113.14	558.41	354.20	197.79	514.98	418.33	215.43
13	Dadri II	-	-	-	4.05	394.13	1.60	129.85	436.97	56.74
14	IGSTPS Jhahhar	-	-	-	0.50	462.14	0.23	20.92	625.24	13.08
15	Talchar	57.00	182.81	10.42	-	-	-	-	-	-
	<b><u>NHPC</u></b>									
16	Bairasuil	274.00	99.56	27.28	313.13	164.41	51.48	324.38	170.48	55.30
17	Salal	772.00	73.96	57.10	831.29	99.22	82.48	837.69	89.45	74.93
18	Tanakpur	72.00	133.89	9.64	63.03	247.54	15.60	69.78	222.70	15.54
19	Chamera-I	202.00	144.26	29.14	236.69	176.65	41.81	263.16	142.27	37.44
20	Chamera-II	169.00	309.59	52.32	178.41	327.61	58.45	186.91	292.59	54.69
21	Uri	354.00	150.34	53.22	401.22	196.24	78.73	359.93	199.07	71.65
22	Dhauliganga	136.00	204.26	27.78	135.22	342.00	46.25	136.78	313.21	42.84
23	Dulhasti	229.00	503.54	115.31	225.14	610.13	137.37	219.88	612.70	134.72
24	Sewa II	-	-	-	37.58	499.72	18.78	54.57	436.20	23.80
		<b>9370.88</b>	<b>207.40</b>	<b>1943.55</b>	<b>8946.84</b>	<b>257.13</b>	<b>2300.46</b>	<b>8832.22</b>	<b>290.20</b>	<b>2563.15</b>

## PROFORMA-6 (Contd..)

Sr. No.	Source	2009-10(Actuals)			2010-11 (Provisional)			2011-12 (Provisional)		
		Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)
1	2	6	7	8	9	10	11	9	10	11
	<b><u>NPCIL</u></b>									
25	NAPP	84.76	210.60	17.85	204.20	212.10	43.31	214.39	249.54	53.50
26	RAPP-3 & 4	446.00	300.99	134.24	708.69	270.91	191.99	770.83	283.25	218.34
27	RAPP-5 & 6	29.00	302.07	8.76	309.91	322.32	99.89	422.75	350.72	148.27
	<b><u>Other Sources</u></b>									
28	NJPC	788.00	275.93	217.43	800.56	269.09	215.42	854.21	262.83	224.51
29	Tehri	175.00	619.66	108.44	277.56	489.78	135.94	346.88	454.53	157.67
30	Koteshwer HEP (THDC)	-	-	-	-	-	-	39.28	513.89	20.18
	<b>Central Sector</b>	<b>10893.64</b>	<b>223.09</b>	<b>2430.27</b>	<b>11247.76</b>	<b>265.57</b>	<b>2987.02</b>	<b>11480.56</b>	<b>294.90</b>	<b>3385.61</b>
31	PGCIL transmission charges	-	-	262.82	-	-	378.00	-	-	397.32
	<b>Total Central Sector</b>	<b>10893.64</b>	<b>223.09</b>	<b>2693.09</b>	<b>11247.76</b>	<b>299.17</b>	<b>3365.02</b>	<b>11480.56</b>	<b>329.51</b>	<b>3782.93</b>
	<b>B Long Term Traders</b>									
1	Long term Co-gen plants	250.00	383.24	95.81	302.98	401.28	121.58	399.09	379.26	151.36
2	Long term thro. Traders	644.00	367.13	236.43	-	-	-	-	-	-
3	Tala	-	-	-	98.50	195.85	19.29	97.52	189.95	18.52
4	Baglihar-I HEP	-	-	-	611.19	382.86	234.00	138.44	378.99	52.47
5	Pragati-III Gas Plant Bawana	-	-	-	-	-	-	8.66	983.83	8.52
6	Mundra UMPP	-	-	-	-	-	-	4.21	242.28	1.02
7	NVVNL Bundled Power	-	-	-	-	-	-	8.16	488.97	3.99
	<b>Total long term traders</b>	<b>894.00</b>	<b>371.63</b>	<b>332.24</b>	<b>1012.67</b>	<b>370.18</b>	<b>374.87</b>	<b>656.08</b>	<b>359.53</b>	<b>235.88</b>
	<b>C Short Term Traders</b>									
1	Traders/UI	1695.00	676.54	1146.74	2323.35	615.70	1430.49	2544.34	408.11	1038.37
2	Short term Co-gen plants within	86.00	394.07	33.89	160.50	411.99	66.12	43.06	436.37	18.79
	<b>Total Short term traders</b>	<b>1781.00</b>	<b>662.90</b>	<b>1180.63</b>	<b>2483.85</b>	<b>602.54</b>	<b>1496.61</b>	<b>2587.40</b>	<b>408.58</b>	<b>1057.16</b>
	<b>E Banking</b>	-257.00	-150.70	38.73	-1029.77	240.80	-247.97	769.53	339.30	261.10
	<b>F UI</b>	1025.00	398.54	408.50	940.80	556.89	523.92	-582.27	89.67	-52.21
	<b>G UI(open access)</b>	-	-	-	84.20	-	14.94	-	-	-
	<b>H Open Access</b>	502.00			-	-	-	-	-	-
	<b>Total</b>	<b>14838.63</b>	<b>313.59</b>	<b>4653.18</b>	<b>14739.50</b>	<b>375.01</b>	<b>5527.42</b>	<b>14911.30</b>	<b>354.42</b>	<b>5284.85</b>
	<b>Add prior period</b>	-	-	64.87	-	-	325.04	-	-	256.40
	<b>Total Purchase</b>	<b>14838.63</b>	<b>313.59</b>	<b>4718.05</b>	<b>14739.50</b>	<b>397.06</b>	<b>5852.46</b>	<b>14911.30</b>	<b>371.61</b>	<b>5541.25</b>

PROFORMA-6

Sr. No.	Source	2012-13 (Estimate)			2012-13 (Revised Estimate)			2013-14 ( Annual Plan)		
		Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/ Kwh)	Total Cost (Rs.Cr.)
1	2	6	7	8	9	10	11	9	10	11
<b>A</b>	<b>Central Sector Purchase</b>									
	<b><u>NTPC</u></b>									
1	Anta	303.00	444.91	135.00	264.71	511.54	135.41	148.84	589.36	87.72
2	Auraiya	495.00	440.73	218.19	381.90	531.50	202.98	225.99	573.92	129.70
3	Dadri	766.00	430.71	329.73	676.25	505.12	341.59	330.35	601.54	198.72
4	Singrauli	1681.00	229.47	385.67	1601.53	175.45	280.99	1637.75	181.57	297.37
5	Rihand-I	916.00	270.76	248.07	806.09	205.38	165.56	876.71	223.62	196.05
6	Rihand -II	885.00	286.04	253.18	855.72	227.84	194.96	802.95	236.75	190.10
7	Unchahar-I	266.00	327.75	87.20	242.19	367.15	88.92	146.01	449.19	65.58
8	Unchahar-II	482.00	339.75	163.73	433.12	387.22	167.71	251.70	456.90	115.00
9	Unchahar-III	148.00	382.69	56.81	132.42	426.86	56.52	84.70	522.61	44.27
10	Farakha (ER)	234.00	480.02	112.33	131.57	380.90	50.12	78.68	471.60	37.11
11	Kahal gaon-I (ER)	441.00	445.95	196.72	292.94	338.44	99.14	172.88	401.46	69.40
12	Kahal gaon-II (ER)	573.00	522.59	299.49	550.78	387.77	213.57	294.44	522.16	153.74
13	Dadri II	178.00	485.44	81.63	69.44	575.30	39.95	40.58	718.64	29.16
14	IGSTPS Jhahhar	24.00	749.06	17.97	22.97	865.23	19.87	6.60	1736.80	11.46
15	Rihand-III	-	-	-	68.76	387.39	26.64	294.35	405.19	119.27
16	Barh-II	-	-	-	-	-	-	204.54	405.19	82.88
	<b><u>NHPC</u></b>									
17	Bairasuil	289.00	163.55	47.25	324.52	178.31	57.86	303.37	185.92	56.40
18	Salal	804.00	91.40	73.48	827.07	117.31	97.03	807.73	108.98	88.03
19	Tanakpur	65.00	242.43	15.85	67.73	272.23	18.44	67.04	265.36	17.79
20	Chamera-I	215.00	164.01	35.23	238.30	167.01	39.80	231.75	188.82	43.76
21	Chamera-II	170.00	287.18	48.93	172.41	296.84	51.18	175.05	325.35	56.95
22	Uri	375.00	145.94	54.78	390.72	197.90	77.32	381.64	186.57	71.20
23	Dhauliganga	135.00	282.16	38.10	138.30	306.88	42.44	135.36	320.01	43.32
24	Dulhasti	234.00	550.60	128.94	216.60	606.86	131.45	221.47	630.28	139.59
25	Sewa II	46.00	480.28	21.92	36.15	509.23	18.41	29.92	678.88	20.31
	<b>TOTAL:</b>	<b>9726.00</b>	<b>313.60</b>	<b>3050.00</b>	<b>8942.18</b>	<b>292.75</b>	<b>2617.86</b>	<b>7950.38</b>	<b>297.45</b>	<b>2364.88</b>



PROFORMA-6 (Contd..)

Sr. No.	Source	2012-13 (Estimate)			2012-13 (Revised Estimate)			2013-14 (Annual Plan)		
		Purchase	Rate	Total	Purchase	Rate	Total	Purchase	Rate	Total
		(Mkwh)	(Paise/ Kwh)	Cost (Rs.Cr.)	(Mkwh)	(Paise/ Kwh)	Cost (Rs.Cr.)	(Mkwh)	(Paise/ Kwh)	Cost (Rs.Cr.)
1	2	6	7	8	9	10	11	9	10	11
	<b><u>NPCIL</u></b>									
26	NAPP	109.10	221.68	24.19	218.72	258.19	56.47	165.89	270.71	44.91
27	RAPP-3 & 4	360.40	270.71	97.56	709.05	288.77	204.75	631.41	302.54	191.03
28	RAPP-5 & 6	243.60	327.37	79.74	303.14	357.17	108.27	238.17	374.32	89.15
	<b><u>Other Sources</u></b>									
29	NJPC	758.30	257.02	194.89	778.86	286.97	223.51	797.54	280.65	223.83
30	Tehri	236.30	600.33	141.84	256.10	474.44	121.51	261.19	550.84	143.87
	<b><u>NHPC</u></b>	121.70	368.88	44.90	-	-	-	-	-	-
31	Parbati-II	169.60	371.31	62.96	-	-	-	-	-	-
32	Parbati-III	-	-	-	26.68	394.72	10.53	289.60	412.86	119.56
33	Chamera-III	103.90	371.30	38.56	71.41	366.07	26.14	107.75	526.22	56.70
34	Uri-II HEP	177.00	371.33	65.74	36.57	394.72	14.44	175.09	412.87	72.29
	<b><u>THDC</u></b>									
35	Koteshwar HEP	67.99	380.20	25.85	77.24	502.79	38.84	58.04	605.69	35.15
36	Durgapur TPS	1253.19	368.30	461.55	641.46	597.08	383.00	548.24	899.31	493.04
37	Raghunathpur TPS	468.66	368.31	172.61	-	-	-	1241.37	405.19	502.99
38	Bokaro TPS	624.87	368.30	230.14	-	-	-	-	-	-
	<b>Central Sector</b>	<b>14421.00</b>	<b>325.27</b>	<b>4691.00</b>	<b>12061.41</b>	<b>315.49</b>	<b>3805.31</b>	<b>12464.66</b>	<b>347.98</b>	<b>4337.41</b>
39	PGCIL long term transmission charges	-	-	572.68	-	-	526.71	-	-	928.07
40	REC charges	-	-	-	-	-	50.00	-	-	100.00
	<b>Total Central Sector</b>	<b>14421.00</b>	<b>325.27</b>	<b>5263.41</b>	<b>12061.41</b>	<b>363.31</b>	<b>4382.02</b>	<b>12464.66</b>	<b>430.46</b>	<b>5365.48</b>

PROFORMA-6 (Contd..)

Sr. No.	Source	2012-13 (Estimate)			2012-13 (Revised Estimate)			2013-14 (Annual Plan)		
		Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)	Purchase (Mkwh)	Rate (Paise/Kwh)	Total Cost (Rs.Cr.)
1	2	6	7	8	9	10	11	9	10	11
<b>B</b>	<b>Long Term Traders</b>									
1	Long term Co-gen plants	-	-	-	587.58	470.07	276.20	840.25	493.57	414.72
2	Long term thro. Traders	723.80	454.77	329.15	-	-	-	-	-	-
3	Tala	99.00	209.09	20.70	93.18	211.05	19.67	93.35	210.68	19.67
4	Malana-2 HEP	401.50	277.46	111.39	212.94	315.14	67.11	364.24	280.56	102.19
5	Udip (UPCL)	629.20	372.26	234.23	63.10	387.39	24.45	745.85	405.19	302.21
6	Bawana (Pragati) Gas station	902.90	367.20	331.54	173.21	625.49	108.34	149.34	722.43	107.89
7	Mundra UMPP	1479.20	234.83	347.36	1001.25	261.25	261.58	2196.90	269.76	592.64
8	NVVNL Bundled Power	-	-	-	16.57	561.68	9.31	16.44	588.32	9.67
9	Sasan UMPP (RPL)	-	-	-	105.81	124.59	13.18	1927.30	130.32	251.16
	<b>Total Long term Traders</b>	<b>4236.00</b>	<b>324.49</b>	<b>1347.37</b>	<b>2253.64</b>	<b>346.03</b>	<b>779.83</b>	<b>6333.68</b>	<b>284.22</b>	<b>1800.16</b>
<b>C</b>	<b>Short Term Traders</b>									
1	Traders	2159.87	538.55	1163.19	4201.81	410.62	1725.33	2035.96	440.73	897.30
2	Short term Co-gen plants within Pb.	126.19	423.81	53.48	101.98	403.99	41.20	115.00	424.19	48.78
3	NRSE Power from H.P.	-	-	-	256.53	442.02	113.39	-	-	-
	<b>Total Short term traders</b>	<b>2286.00</b>	<b>532.21</b>	<b>1216.67</b>	<b>4560.32</b>	<b>412.23</b>	<b>1879.92</b>	<b>2150.96</b>	<b>439.84</b>	<b>946.08</b>
<b>D</b>	<b>Long Term within Punjab</b>									
	<u>PUNJAB OWN PROJECTS</u>									
1	Talwandi Sabo TPS	1646.10	286.43	471.78	-	-	-	1232.20	505.30	622.63
2	Goindwal Sahib TPS (GVK)	-	-	-	-	-	-	620.38	543.83	337.38
3	Rajpura TPS (L & T)	-	-	-	-	-	-	167.56	595.67	99.81
<b>E</b>	<b>Banking</b>	<b>-3671.20</b>	<b>304.68</b>	<b>-1118.55</b>	<b>149.32</b>	<b>835.31</b>	<b>124.73</b>	<b>-1710.07</b>	<b>287.09</b>	<b>-490.95</b>
<b>F</b>	<b>UI</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>754.46</b>	<b>332.97</b>	<b>251.21</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Purchase</b>	<b>18917.42</b>	<b>380.99</b>	<b>7207.38</b>	<b>19779.16</b>	<b>375.03</b>	<b>7417.73</b>	<b>21259.00</b>	<b>408.32</b>	<b>8680.57</b>

**PUNJAB STATE POWER CORPORATION LIMITED**

**ANNUAL PLAN 2013-14**

**Revenue Expenditure , Operating & Maintenance /Establishment and Administrative Charges**

**PROFORMA-7**

**(Rs. Crore)**

Sr. No.	Component of Expenditure	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	4	5		6	7	8
<b>I</b>	<b><u>Operating &amp; Maintenance</u></b>						
1	Base Level expenditure of the previous year	385.34	440.24	412.34	562.15	464.46	504.11
2	Normal Annual Increase						
3	Increase due to commissioning of new units/lines (To be specified)						
4	Others items						
	<b>Total:</b>	<b>385.34</b>	<b>440.24</b>	<b>412.34</b>	<b>562.15</b>	<b>464.46</b>	<b>504.11</b>
5	Cost per unit of sale (Paise/Kwh sold)	11.78	13.15	11.77	15.14	12.28	12.63
<b>II</b>	<b><u>Establishment &amp; Admn.Charges</u></b>						
1	a) Base level expenditure of the previous year	2579.59	3196.59	3433.42	3946.17	3947.63	4278.12
2	Normal Annual Increase						
3	Increase due to commissioning of new units/lines (To be specified)						
4	Increase due to D.A./ Pay revision						
	a) Pay			282.43	-	211.82	211.82
	b) Pension						
5	Others items						
	<b>Total:</b>	<b>2579.59</b>	<b>3196.59</b>	<b>3715.85</b>	<b>3946.17</b>	<b>4159.45</b>	<b>4489.94</b>
6	Cost per unit of sale(Paise/Kwh Sold)	78.89	95.47	106.03	106.31	109.98	112.50

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**

**PROFORMA-8**  
**(Rs. Crore)**

**Rate of Return on Net Fixed Assets**

Sr. No.	Items	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimates	2012-13 Revised Estimates	2013-14 Annual Plan
1	2	3	4	5	6	7	8
<b>A</b>	<b><u>INCOME</u></b>						
	Revenue Receipts from:						
	1) Electricity Sales	8345.27	9792.90	11211.05	11609.20	13729.48	14648.50
	2) Misc. Revenue	760.22	653.57	829.39	700.07	866.76	906.36
	3) Subsidy						
	i. Domestic consumers	339.26	320.67	377.91	350.00	724.00	725.88
	ii. A.P. consumers	2804.99	2702.87	3879.95	4351.41	4787.07	5196.53
	iii Other subsidy/Subsidy for earlier years	0.00	352.01	-75.86	0.00	-83.76	0.00
	<b>Total: A</b>	<b>12249.74</b>	<b>13822.02</b>	<b>16222.44</b>	<b>17010.68</b>	<b>20023.55</b>	<b>21477.27</b>
<b>B</b>	<b><u>EXPENDITURE</u></b>						
	1. Fuel	3652.31	3430.37	3719.51	4171.12	4318.14	4905.80
	2. Power Purchased	4718.06	5852.46	5541.25	7207.38	7417.73	8680.57
	3. Operating & Maintenance	385.34	440.24	412.34	562.15	464.46	504.11
	4. Establishment	2579.59	3196.59	3715.85	3946.17	4159.45	4489.94
	5. Depreciation	805.90	746.66	705.96	770.32	758.47	814.45
	6. Transmission charges	0.00	401.97	491.45	568.65	830.01	890.84
	7. Other Expenditure	12.11	80.26	49.56	60.50	180.00	94.48
	<b>Total: B</b>	<b>12153.31</b>	<b>14148.55</b>	<b>14635.92</b>	<b>17286.29</b>	<b>18128.26</b>	<b>20380.19</b>
<b>C</b>	<b>Operating Income (A-B)</b>	<b>96.43</b>	<b>-326.53</b>	<b>1586.52</b>	<b>-275.61</b>	<b>1895.29</b>	<b>1097.08</b>
<b>D</b>	<b>Interest due</b>						
	a) To Financial Institutions	1646.31	1698.35	2180.45	2643.85	2473.61	2707.27
	b) To State Govt.						
	<b>Total: D</b>	<b>1646.31</b>	<b>1698.35</b>	<b>2180.45</b>	<b>2643.85</b>	<b>2473.61</b>	<b>2707.27</b>
<b>E</b>	Net Surplus/Deficit(C-D)	-1549.88	-2024.88	-593.93	-2919.46	-578.32	-1610.19
<b>F</b>	Value of net fixed assets employed at the beginning of the year	10339.34	29347.38	29186.64	11276.32	29466.54	30213.04
<b>G</b>	Rate of Return(%)	-14.99	-6.90	-2.03	-25.89	-1.96	-5.33
<b>H</b>	Increase in Av. tariff required (Paise/Kwh)to obtain						
	a) 0% Rate of Return	18.57% [47.40]	15.36% [60.48]	3.88% [16.95]	17.90% [78.65]	3.01% [15.29]	7.83% [40.34]
	b) 3% Rate of Return	21.49% [56.89]	22.04% [86.77]	9.59% [41.93]	27.97% [87.76]	7.60% [38.66]	12.23% [63.05]

**PUNJAB STATE POWER CORPORATION LIMITED**

**ANNUAL PLAN 2013-14**

**Outstanding dues to the Central Undertakings & others (Including Banks)**

**PROFORMA -9**

**(Rs. Crore)**

Sr. No.	Name of the Undertakings	Dues Upto 31.3.2012	Dues from 1.4.2012 to 30.11.2012	Outstanding dues as on 30.11.2012
1	2	3	4	5
1	Central Undertakings	698.21	167.24	865.45
2	Banks	2345.42	-1522.52	822.90
3	PFC	0.00	500.00	500.00
4	Others	11.28	-5.36	5.92
	<b>Total</b>	<b>3054.91</b>	<b>-860.64</b>	<b>2194.27</b>

**PUNJAB STATE POWER CORPORATION LIMITED**  
**Annual Plan 2013-14**  
**Electricity Consumption**

**PROFORMA-10**  
**(Million Kwh)**

Sr. No.	Item	2009-10 (Actual)		2010-11 (Provisional)		2011-12 (Provisional)		2012-13(Estimates )		2012-13(R.E.)		2013-14 (Annual Plan)	
		Rate (Paise/ Kwh)	Unit (MU)	Rate (Paise/ Kwh)	Unit (MU)	Rate (Paise/ Kwh)	Unit (MU)	Rate (Paise/ Kwh)	Unit (MU)	Rate (Paise/ Kwh)	Unit (MU)	Rate (Paise/ Kwh)	Unit (MU)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Domestic	290.01	7270.00	319.00	8176	377.00	8818	391.13	10081.65	416.70	9535	493.67	10452
			[22.24]		[24.42]		[25.16]		[27.16]		[25.21]		[26.19]
2	Agricultural		10626.00		10150		10256		11921.68		11456	432	12029
			[32.50]		[30.32]		[29.27]		[32.12]		[30.29]		[30.14]
3	a) Industry LT	425.14	11123.00	434.01	11131	486.18	11702	498.79	10713.27	580.64	12633	586.68	12881
	b) Industry HT		[34.02]		[33.25]		[33.39]		[28.86]		[33.40]		[32.27]
4	Railway	496.46	147.00	517.00	144	593.00	138	585.45	156.00	612.06	140	617.00	145
			[0.45]		[0.43]		[0.39]		[0.42]		[0.37]		[0.36]
5	Commercial & Public Lighting	488.46	2271.00	516.50	2599	583.02	2821	563.64	3254.93	611.85	3048	617.00	3361
			[6.95]		[7.76]		[8.05]		[8.77]		[8.06]		[8.42]
6	a) Bulk & Grid	424.79	496.00	439	540	499	560	505.78	576.00	570	591	575	622
			[1.52]		[1.61]		[1.60]		[1.55]		[1.56]		[1.56]
	b) Common Pool	318.68	303.00	367	303	390	305	327.41	305.43	410	305	435	304
			[0.93]		[0.91]		[0.87]		[0.82]		[0.81]		[0.76]
	<b>Total:(1 to 6)</b>	<b>355.85</b>	<b>32236.00</b>	<b>396*</b>	<b>33043.43</b>	<b>443*</b>	<b>34600.17</b>	<b>313.55</b>	<b>37008.96</b>	<b>508*</b>	<b>37708.11</b>	<b>517*</b>	<b>39793.57</b>
			[98.59]		[98.69]		[98.73]		[99.70]		[99.70]		[99.71]
7	Outside the State	26.13	461.00	200.00	438	141.00	445	44.85	111.49	43.13	113	43.10	117
			[1.41]		[1.31]		[1.27]		[0.3]		[0.30]		[0.29]
	<b>Grand Total</b>	<b>351.20</b>	<b>32697.00</b>	<b>33481.35</b>	<b>35044.88</b>	<b>439.40*</b>	<b>37120.00</b>	<b>37821.03</b>	<b>39911.00</b>				
			[100.00]		[100.00]		[100.00]		[100.00]		[100.00]		[100.00]

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Private Sector Power Projects**

**Proforma - 11**

Sr. No.	Items	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimate	2012-13 Revised Estimate	2013-14 Annual Plan
1	2	3	4	5	6	7	8
1	Name of Project	<b>As per details in word file "Proforma 11"</b>					
2	Installed Capacity (MW)						
3	Type of Fuel						
4	Estimated Cost (Rs. Crores)						
5	Expected Generation (Mkwh)Per Annum						
6	Status of the Project (Power Purchase Agreements/ Any other Information)						
7	Reasons for Delay ( if any )						
8	Cost of Generation (Paise/Kwh)						
9	PLF as per PPA(%)						

**ANNUAL PLAN 2013-14**

Proforma-11

**DETAILS OF PRIVATE SECTOR PROJECTS EXPECTED DURING THE YEAR 2009-10**

Sr.No	Name of the Project	Installed Capacity (MW)	Type of Fuel	Estimated Cost (Rs. Crores)	Expected Generation MKWH per annum (MUs)	Status of Project (signing of MOUs/Power Purchase Agreements)	Cost of Generation Rupees/ KWH	PLF as per PPA %	Remarks
1.	Biomass Project at Vill.Channu, Tehsil Malout, Distt. Mukatsar by M/s Universal Biomass Energy Pvt. Ltd.	14.5 MW	Biomass	-	91.45 MUs at 0.8 PLF	PPA signed on 02.06.09	-	-	Commissioned on 30th October, 2009.
2.	Solar Photo Voltaic Project at Vill. Awan, Teh. Ajnala, Amritsar By M/s Azure Power Punjab, Amritsar.	1.0 MW (2 x .500 MW)	Solar Energy		1.5 MUs at 0.19 PLF	PPA signed on 27.05.09			Commissioned on 15.12.09.
3.	Micro Hydel Project at Akhara on Abohar Branch Canal by M/s Abohar Power Generation (P) Ltd., Mohali.	1.10 MW	Hydro		2.58 MUs at 0.3 PLF	PPA signed on 20.11.08			Commissioned on 25.03.2010.
4.	Micro Hydel Project at Gholian on Abohar Branch Canal by M/s Abohar Power Generation (P) Ltd., Mohali..	0.8 MW	Hydro		1.88MUs at 0.3 PLF	PPA signed on 20.11.08			Commissioned on 31.10.2009.



5.	Micro Hydel Project at Channuwal on Abohar Branch Canal By M/s Abohar Power Generation (P) Ltd., Mohali.	0.9 MW	Hydro		2.11 MUs at 0.3 PLF	PPA signed on 20.11.08			Commissioned on 31.10.2009.
	<b>Total</b>	<b>18.30 MW</b>							

**ANNUAL PLAN 2013-14**

Proforma-11

**DETAILS OF PRIVATE SECTOR PROJECTS EXPECTED DURING THE YEAR 2010-11**

Sr .N o	Name of the Project	Installed Capacity (MW)	Type of Fuel	Estimat ed Cost (Rs. Crores)	Expected Generation MKWH per annum	Status of Project (signing of MOUs/Power Purchase Agreements)	Cost of Generat -ion Rupees Per KWH	PLF as per PPA %	Remarks
1.	Rice/Wheat Straw (Biomass based) Power Projects at Vill.Baghaura near 66KV Grid S/Ss Ghanour by M/s Punjab Biomass Power Ltd., Navi Mumbai.	12 MW	Biomass	-	68.42 MUs at 0.8 PLF	IA-cum-PPA signed on 10.8.06.	-	-	Commissioned on 15.06.2010.
2.	Solar Photo Voltaic Project at Vill. Awan, Teh. Ajnala Amritsar by M/s Azure Power Punjab, Amritsar.	1.0 MW (2 x .500 MW)	Solar Energy		1.5 MUs at 0.19 PLF	PPA signed on 27.05.09	-	-	Commissioned on 05.11.2010.
3.	Micro Hydel Project at Khanpur on Abohar Branch Canal by M/s Abohar Power Generation (P) Ltd., Mohali.	1.1 MW	Hydro		2.58 MUs at 0.3 PLF	PPA signed on 20.11.08	-	-	Commissioned on 22.04.2010.
4.	Micro Hydel Project at Sudhar on Abohar Branch Canal by M/s Abohar Power Generation (P) Ltd., Mohali..	1.4 MW	Hydro		3.29 MUs at 0.3 PLF	PPA signed on 20.11.08	-	-	Commissioned on 03.05.2010.
	<b>Total</b>	<b>15.50 MW</b>							

**ANNUAL PLAN 2013-14**  
**DETAILS OF PRIVATE SECTOR PROJECTS EXPECTED DURING THE YEAR 2011-12**

Proforma-11

Sr.No	Name of the Project	Installed Capacity (MW)	Type of Fuel	Estimated Cost (Rs. Crores)	Expected Generation MKWH per annum	Status of Project (signing of MOUs/Power Purchase Agreements)	Cost of Generation Rupees/ KWH	PLF as per PPA %	Remarks
1.	Solar Photo Voltaic Power Project by M/s Econergy Inc., 2712, Hinton Circle, EIK Grove California, USA at Boparai Kalan, (LDH.)	1.0 MW	Solar		1.5 MUs at 0.19 PLF	MOU signed on 09.07.2010 PPA signed on 18.08.2010			Commissioned on 02.03.2012
2.	Solar Photo Voltaic Power Project by M/s G.S. Atwal & Co. (Engg.) Pvt. Ltd., 4-B, Little Russel Street, Kolkata at Vill. Buttiwala, Distt. Mukatsar	1.5 MW	Solar		2.25 MUs at 0.19 PLF	MOU signed on 09.07.2010 PPA signed on 18.08.2010			Commissioned on 10.03.2012
3.	Solar Photo Voltaic Power Project by M/s Sovax Renewable Pvt. Ltd., AR 208A, Aralias, DLF Golf Links Gurgaon at Mehandipur, Balachaur.	1.0 MW	Solar		1.5 MUs at 0.19 PLF	MOU signed on 09.07.2010 PPA signed on 18.08.2010			Commissioned on 16.03.2012
4.	Solar Photo Voltaic Power Project by M/s Carlill Energy Pvt. Ltd., 568, Street No. 4, Mahal Mubarak Colony, Dhuri Road, Sangrur-148001 at Bhagsar 24 (Mukatsar)	1.5 MW	Solar		2.25 MUs at 0.19 PLF	MOU signed on 09.07.2010 PPA signed on 18.08.2010			Commissioned 24.02.2012

5.	M/s Soma Enterprises Ltd., Enkay Tower, 5 <sup>th</sup> floor-Block A, Udhyog Vihar, Phase-V, Gurgaon. <b>Khera Kalmout (Ropar)</b>	1.0 MW	Solar		1.5 MUs at 0.19 PLF	MOU signed on 09.07.2010 PPA signed on 18.08.2010			Commissioned on 03.12.2011
6.	Solar Photo Voltaic (SPV) Project at village Phulokheri, District Bathinda by PEDDA.	1.0 MW	Solar		1.5 MUs at 0.19 PLF	PPA signed on 28.08.2010			Commissioned in Dec. 2011.
7.	Co-generation project by M/s A2Z Maintenance & Engineering Services Ltd. at Cooperative Sugar Mill Nakodar, Distt. Jalandhar.	15 MW	Bagasse		87.91 MUs at 0.8 PLF	PPA signed on 25.08.2011			Commissioned on 07.12.2011
8.	Co-generation project by M/s A2Z Maintenance & Engineering Services Ltd. at Cooperative Sugar Mill, Fazilka, Distt. Jalandhar.	15 MW	Bagasse		87.91 MUs at 0.8 PLF	PPA signed on 25.08.2011			Commissioned on 01.01.2012
	<b>Total</b>	<b>37.0 MW</b>							

**ANNUAL PLAN 2013-14**  
**DETAILS OF PRIVATE SECTOR PROJECTS EXPECTED DURING THE YEAR 2012-13**

Proforma-11(Contd...)

Sr. No.	Name of the Project	Installed Capacity (MW)	Type of Fuel	Estimated Cost (Rs. Crores)	Expected Generation MKWH per annum (MUs)	Status of Project (signing of MOUs/Power Purchase Agreements)	Cost of Generation Rupees/ KWH	PLF as per PPA %	Remarks
1.	Biomass Project at Vill. Binjon, Teh. Garhshankar, Dist. Hoshiarpur by M/s Green Planet Energy Pvt. Ltd.	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.2009	-	-	Commissioned in May, 2012.
2.	Biomass Project at Vill. Binjon, Teh. Garhshankar, Dist. Hoshiarpur by M/s Green Planet Energy Pvt. Ltd.	4 MW	Biomass	-	22.80 MUs at 0.8 PLF	PPA signed on 14.10.2009	-	-	Expected Commissioning in Feb. /March, 2013.
3.	M/s Green Planet Energy Pvt. Ltd. Biomass Project at Vill. Bir Pind, Tehsil Nakodar & Distt. Jalandhar (6 MW Rankine Cycle.	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.2009			Expected Commissioning in Jan., 2013.
4.	M/s Green Planet Energy Pvt. Ltd. Biomass Project at Vill. Bir Pind, Tehsil Nakodar & Distt. Jalandhar (4 MW Otto Cycle)	4MW	Biomass	-	22.80 MUs at 0.8 PLF	PPA signed on 14.10.2009			Expected Commissioning in June, 2013.
5.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Manuke Gill, The. Nihal Singh Wala & Bagha Purana (Dist. Moga)	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.2009			Expected Commissioning in March, 2013.
6.	By M/s Viaton Energy Pvt. Ltd. Biomass Project at Mansa	10 MW	Biomass	-	57.024 MUs at 0.8 PLF	PPA signed on 04.04.2011			Expected Commissioning in March, 2013.

7.	Co-generation project by M/s A2Z Maintenance & Engineering Services Ltd. at Cooperative Sugar Mill Morinda, Distt. Rupnagar.	15 MW	Bagasse		87.91 MUs at 0.8 PLF	PPA signed on 25.08.2011			Expected Commissioning in March, 2013.
8.	Co-generation project by M/s NV Distillery Pvt. Ltd. at Rajpura	6 MW	Bagasse		42.04 MUs	PPA signed on 11.07.12			Commissioned on 07.08.2012
9.	Micro Hydro Project at Phoola (Bathinda Branch Canal) by M/s Atlantic Power (Phoola) Ltd.	0.6 MW	Hydro		1.41 MUs at 0.3 PLF	PPA signed on 04.10. 2011.			Expected in March, 2013.
10.	Micro Hydel Project at Bibiwal on Bathinda Branch Canal by M/s SKR Hydro Power Generators Pvt. Ltd.	0.4 MW	Hydro		0.94 MUs at 0.3 PLF	PPA signed on 04.10.2011	-	-	Expected commissioning in March, 2013.
11.	Micro Hydel Project at Ralla by M/s DSL Power Private Ltd. (Kotla Branch Canal).	0.3MW	Hydro		0.70 MUs at 0.3 PLF	PPA signed on 20.11.2008	-	-	Expected commissioning in March, 2013.
12.	MHP Bowani by M/s Sam (India) Builtwell (P) Ltd., 435, Jagriti Enclave, Vikas Marg Extension, Delhi-110092 (Bathinda Branch Canal of Sirhind Canal System).	1.2 MW	Hydro		2.82 MUs at 0.3 PLF	PPA signed on 03.11.2011	-	-	Expected in March, 2013.
	<b>Total</b>	<b>59.5 MW</b>							

**ANNUAL PLAN 2013-14**

**Proforma-11**

**DETAILS OF PRIVATE SECTOR PROJECTS EXPECTED DURING THE YEAR 2013-14**

<b>Sr. No.</b>	<b>Name of the Project</b>	<b>Installed Capacity (MW)</b>	<b>Type of Fuel</b>	<b>Estimated Cost (Rs. Crores)</b>	<b>Expected Generation on MKWH per annum (MUs)</b>	<b>Status of Project (signing of MOUs/Power Purchase Agreements)</b>	<b>Cost of Generation Rupees/ KWH</b>	<b>PLF as per PPA %</b>	<b>Remarks</b>
1.	By M/s Green Planet Energy Pvt. Ltd.- Biomass Project at Deep Singh Wala, Tehsil & Dist. Faridkot based on Rankine Cycle.	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.09	-	-	Expected Commissioning in May, 2013.
2.	By M/s Green Planet Energy Pvt. Ltd.- Biomass Project at Deep Singh Wala, Tehsil & Dist. Faridkot based on Otto Cycle.	4 MW	Biomass	-	22.80 MUs at 0.8 PLF	PPA signed on 14.10.09	-	-	Expected Commissioning in March, 2014.
3.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Ramiana, The. Jaito, Dist. Faridkot	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.09	-	-	Expected Commissioning in May, 2013.
4.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Ramiana, The. Jaito, Dist. Faridkot	6 MW	Biomass	-	34.21 MUs at 0.8 PLF	PPA signed on 14.10.09	-	-	Expected Commissioning in May, 2013.
5.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Ramiana, The. Jaito, Dist. Faridkot	1MW	Biomass	-	5.70 MUs at 0.8 PLF	PPA signed on 14.10.09	-	-	Expected Commissioning in Dec., 2013.

6.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Talwandi Rai, Tehsil Raikot, Distt. Ludhiana.	12 MW	Biomass	-	68.42 MUs at 0.8 PLF	PPA signed on 19.01.10	-	-	Expected Commissioning in October, 2013.
7.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Talwandi Rai, Tehsil Raikot, Distt. Ludhiana.	2 MW	Biomass	-	11.40 MUs at 0.8 PLF	PPA signed on 19.01.10	-	-	Expected Commissioning in March, 2014.
8.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Village Bohran, Tehsil and Distt. Fatehgarh Sahib	12MW	Biomass	-	68.42 MUs at 0.8 PLF	PPA yet to be signed	-	-	Expected Commissioning in October, 2013.
9.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Dhanasoo, Teh. & Dist. Ludhiana	12 MW	Biomass	-	68.42 MUs at 0.8 PLF	PPA yet to be signed	-	-	Expected Commissioning in November, 2013.
10.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Vill. Dhanasoo, Teh. & Dist. Ludhiana (Otto Cycle)	3 MW	Biomass	-	17.10 MUs at 0.8 PLF	PPA yet to be signed	-	-	Expected Commissioning in November, 2013.
11.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Govindpura, Teh. & Dist. Bathinda (Rankine Cycle).	12 MW	Biomass	-	68.42 MUs at 0.8 PLF	PPA yet to be signed	-	-	Expected Commissioning in March, 2014.
12.	By M/s Green Planet Energy Pvt. Ltd. - Biomass Project at Govindpura, The. & Dist. Bathinda.(Otto Cycle)	2 MW	Biomass	-	11.40 Mus at 0.8 PLF	PPA yet to be signed	-	-	Expected Commissioning in March, 2014.
13.	Co-generation project by M/s Joshan Foods, Jalalabad.	6.5 MW	Bagasse	-	38.09 MUs at 0.8 PLF	PPA signed on 20.07.2012	-	-	Expected Commissioning in October, 2013.
14.	MHP By M/s Polyplex Corporation Ltd. & its Consortium M/s Himalayan Renewable Energy Ltd. Mohali at Talewal	0.6 MW	Hydro	-	1.41 MUs at 0.3 PLF	Revised PPA signed on 22.02.2010	-	-	Expected in Sept., 2013.



15.	Micro Hydel Project at Smalsar on Abohar Branch Canal By M/s Paradise Power Generation Pvt. Ltd., Mohali	0.35 MW	Hydro		0.82 MUs at 0.3 PLF	PPA signed on 05.03.09.	-	-	Expected in Sept., 2013.
16.	MHP Parowal by M/s SKR Hydro Power Generators Pvt. Ltd.	0.4 MW	Hydro		0.94 MUs at 0.3 PLF	PPA signed on 04.10.2011.			Expected in Sept., 2013.
17.	Madhopur Beas Link (MBL) of UBDC at RD 20500 by M/s Gill Acquahydro Power Generation Company Pvt. Ltd.	3 MW	Hydro		7.05 MUs at 0.3 PLF	PPA signed on 04.06.2009			Expected in Sept., 2013
18.	Madhopur Beas Link (MBL) of UBDC at RD 14350 combined with RD 16500 by M/s Gill Acquahydro Power Generation Company Pvt. Ltd.	6 MW	Hydro		14.11 MUs at 0.3 PLF	PPA signed on 20.11.2008.			Expected in Sept., 2013.
19.	MHP-Lehru (3MW) on Chakki Khad near Dunera in Distt. Gurdaspur. at Chakki Khad by M/s Lehru Hydro Power Projects Pvt. Ltd.	3 MW	Hydro		7.05 MUs at 0.3 PLF	PPA signed on 04.10.2011.			Expected Commissioning in March, 2014.
20.	Power from various Solar Projects allocated to PSPCL for which Power Purchase Agreement has been signed by NVVNL with various developers and Power Sale Agreement has been signed between PSPCL and NVVNL.	18 MW	Solar		27.08 MUs at 0.19 PLF	PSA signed with NVVNL on 14.10.2010			Expected in October, 2013.
	<b>Total</b>	<b>114.85 MW</b>							

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Efficiency Improvements**

Proforma-12

Sr. No.	Items	Unit	2009-10 Actual	2010-11 Provisional	2011-12 Provisional	2012-13 Estimate	2012-13 Revised Estimate	2013-14 Annual Plan
1	2	3	4	5	6	7	8	9
<b>A</b>	i) Total Energy Input	(MU)	40740	40910	42280	44638	45482	47714
	ii) Energy Billed	(MU)	32697	33481	35045	37120	37821	39911
	iii) Billing Efficiency (ii)/(i)x100	(%)	80.26	81.84	82.89	83.16	83.16	83.65
	iv) Actual Energy Billed	(Rs.Crore)	11489.52	13168.45	15393.05	16310.61	19156.79	20570.91
	v) Revenue Realised from Sale of Power	(Rs.Crore)	11650	12725.45	15203.52	16310.61	19514.43	20570.91
	vi) Collection efficiency (v)/(iv)x100	(%)	101.40	96.64	98.77	100.00	101.87	100.00
	vii) AT&C Losses {1-[(iii)/100x(vi)/100]x100}	(%)	18.62	20.91	18.13	16.84	15.29	16.35
	viii) Reduction in AT&C Losses	(%)		-2.29	2.78	1.29	1.55	-1.06
<b>B</b>	i) T&D Losses	(%)	20.12	18.49	17.42	17.00	17.00	16.5
	ii) Reduction in T&D Losses	(%)	0.20	1.63	1.07	0.42	0	0.5
<b>C</b>	i) Level of Cash Losses of PSPCL (Net of increase attributable to tariff revision)	(Rs.Cr)						
	ii) Reduction of Cash Losses of PSPCL as compared to previous year	(Rs.Cr) (%)						

**PUNJAB STATE POWER CORPORATION LIMITED**  
**ANNUAL PLAN 2013-14**  
**Break- up of Outlay- Power Sector**

**Proforma -13**  
**(Rs. Crore)**

Sr. No.	Description	Eleventh Plan Approved Outlay	Eleventh Plan anticipated Exp.		Twelfth Plan Proposed Outlay (2012-17)		2012-13 Approved Outlay		2012-13 RE Outlay		2013-14 Proposed Outlay			
			Plan	Outside Plan	Plan	Outside Plan	Plan	Outside Plan	Plan	Outside Plan	Plan	Outside Plan		
1	2	3	4	5	6	7	8	9	10	11	12	13		
1	Generation Schemes	597.60	575.98	-	7273.86	-	350.29	-	128.14	-	371.14	-		
2	R&M Schemes	1253.87	580.90	-	1014.08	-	380.30	-	402.45	-	378.86	-		
3	Transmission Schemes	1891.68	5043.25	-	1100.00	-	} 1674.00	-	} 1329.41	-	} 1450.00	-		
4	Distribution Schemes	6049.72	743.84	-	4348.00	-		-		-		-	-	-
5	Rural Electrification Schemes	718.75	338.54	-	2339.85	-		-		-		-	-	-
	<b>Total</b>	<b>10511.62</b>	<b>7282.51</b>	<b>-</b>	<b>16075.78</b>	<b>-</b>	<b>2404.59</b>	<b>-</b>	<b>1860.00</b>	<b>-</b>	<b>2200.00</b>	<b>-</b>		