



RVPN
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RAJASTHAN RA

[Corporate
(Regd. Office: Vidyut Prasaran Nigam Ltd., Jaipur - 302 005)]

T PRASARAN NIGAM LIMITED.

(CIN): U40109RJ2000SGC016485]

San Path, Jyoti Nagar, Jaipur - 302 005)

OFFICE OF THE CHIEF ENGINEER (PPM)

☎ +91-141-2740623, Fax: +91-141-2740794;

e-mail: ce_ppm@rvpn.co.in; website: www.rvpn.co.in

No. RVPN/SE(P&P)/XEN (Proj.)/AE-I/ F. 589

/D

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Jaipur, Dt.

8-7-15

The Chief Engineer (T&C/Civil/MM/LD/ NPP&R),
Rajasthan Rajya Vidyut Prasaran Nigam Ltd.,
JAIPUR/AJMER/JODHPUR

Sub: Approval for construction of 20 nos. new 132 kV schemes alongwith their associated lines.

The Board of Directors (BoDs) of RVPN in its 234th meeting held on 22.06.2015 has accorded approval for construction of following 20 nos. 132 kV sub-station schemes each having capacity of 132/33 kV, 1x20/25 MVA alongwith their associated lines for their implementation and inclusion in the annual plan 2015-16, at an aggregated estimated cost of **Rs. 369.01 Crores** (including IDC) as per the details given hereunder:

S. No	Name of 132kV Substation	District	Associated 132kV line / From 132kV GSS	Length		Estimated Cost (with IDC) (Rs. in lacs)
				(kMs.)	Mode	
A.	JAIPUR DISCOM:					
1	Dabi PS Talera	Bundi	132 kV GSS Bijoliya	26.00	S/C	1905.54
2	Dablana P.S. Hindoli	Bundi	132 kV GSS Hindoli	18.00	S/C	1763.75
3	Dadabari, Kotacity	Kota (Urban area)	LILO of 132 kV Sakatpura-I/A -II line on Narrow Base and Monopole Towers	1.715	D/C	2160.10
4	Rooparail PS Jhalrapatan	Jhalawar	LILO of 132 kV S/C Jhalawar - Bakani line	1.00	D/C	1474.07
B.	AJMER DISCOM:					
5	Riyabari	Nagaur	LILO of 132kV S/C Beawar-Merta line	10.00	D/C	1738.36
6	Chordi	Banswara	LILO 132kV S/C Bagidora-Mahi Ph-2 line	12.00	D/C	1797.09
7	Bambora	Udaipur	132 kV GSS Salumber#	25.00	S/C	1887.82
8	Water Works, Sanwali Road, Sikar	Sikar	LILO of 132kV S/C Sikar-Ranoli line	1.00	D/C	1474.07
C.	JODHPUR DISCOM:					
9	Bar	Pali	LILO of 132 kV S/C Beawar-Jaitaran line	12.00	D/C	1797.09
10	Bhamatsar	Bikaner	LILO of 132 kV S/C Deshnok- Nokha line	15.00	D/C	1885.18
11	Ghumati	Pali	LILO of 132 kV S/C Pali-Jodhpur line	11.00	D/C	1767.72
12	Ahore	Jalore	220kV Jalore	19.00	S/C	1781.47
13	Baytu	Barmer	132 kV GSS Undoo	45.00	S/C	2242.31
14	Shekhsar	Bikaner	132kV Loonkaransar	35.00	S/C	2065.06
15	Bhanipura	Churu	LILO of 132 kV S/C Sardarshahar-Rajiasar Line	1.50	D/C	1488.76
16	Ghamurwali	Sri Ganganagar	LILO of 132 kV S/C Suratgarh-Padampur line	12.00	D/C	1797.09

Letter for conveying Board's approval

(Pankaj Agarwal)
Executive Engineer (T&C)
R.R.V.P.N.L., Chittorgarh (Raj.)

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17	Ram Ji Ki Gol	Barmer	220 kV Salumber to Bambora	25.00	S/C	1887.82
18	Swroopganj	Sirohi	LILO of 132 KV S/C Pindwara-Aburoad line	5.00	D/C	1591.53
19	Bengati Kalan	Jodhpur	220kV Phalodi	20.00	S/C	1799.20
20	Rajmathai	Jaisalmer	220kV Dechu	65.00	S/C	2596.79
TOTAL (Rs. lacs)						36900.84
Say Rs. In Crores						369.01

#- Line length of Salumber to Bambora is 33 km out of which 8km long 220 kV LILO Salumber is available on the way to salumber to Bambora which will be utilised. Therefore, cost of 25 km 132 KV S/C line has been considered.

A copy of the **Project Estimate Report** of above mentioned **132kV substations schemes** is enclosed herewith for your kind information and needful. The execution of the above scheme is to be done as per plan provisions made in Annual Plan(s) sent to you from time to time. You are requested to kindly endorse the above to all concerned field officers who will supervise/under take the execution of the above scheme.

A list of Scheme & Project code of the above schemes is also enclosed with this letter.

(R.K. Agarwal)
Chief Engineer (PPM)

Copy alongwith a copy the **Project Estimate Report** of the above mentioned schemes is enclosed to the following for information & necessary action:-

1. The Chief Controller of Accounts, RVPN, Jaipur.
2. The Secretary (Admn.), RVPN, Jaipur.
3. The Dy. Chief Engineer (PLCC), RVPN, Jaipur.
4. The Superintending Engineer (400 kV Design), RVPN, Jaipur.
5. The Superintending Engineer (TCC-I/II/III/IV/V/VI/VII/VIII/IX), RVPN, Jaipur/ Ajmer/ Jodhpur/ Kota/ Alwar/ Udaipur/ Sirohi/Bikaner.
6. The Superintending Engineer (SSPC/TLPC/PLCC), RVPN, Jaipur/ Ajmer/ Jodhpur.
7. The Superintending Engineer (Plan), Jaipur Discom, Jaipur.
8. The Superintending Engineer (Plan), Ajmer Discom, Ajmer.
9. The Superintending Engineer (PP&M), Jodhpur Discom, Jodhpur.
10. The TA to Director (Technical/Operation), RVPN, Jaipur.
11. The Land Acquisition Officer, RVPN, Jaipur.
12. The Sr. Accounts Officer (SLDC), RVPN, Jaipur.
13. The Executive Engineer (PSS/Project/Monitoring-I), RVPN, Jaipur.
14. The Asst. Accounts Officer (Admn.), RVPN, Jaipur.

Chief Engineer (PPM)

(Pankaj Agarwal)
Executive Engineer (T&C)
R.R.V.P.N.L., Chittorgarh (Raj.)

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Annex.- I(f)

REVISED ABSTRACT COST ESTIMATE

Scheme : Construction of 132/33kV Sub-Station at Chordi

District- Banswara

Associated 132kV line / From 132kV GSS: LILO 132kV S/C Bagidora-Mahi Ph-2 line

132kV Line Length (In km)= 12 D/C
Sub-Station Capacity= 20/25 MVA

S.No.	Particulars	Amount (Rs. in lacs)
1	Preliminary expenses	2.50
2	Land	40.00
3	Civil Works	586.25
4	Office Equipments	2.00
5	Social Infrastructure & Community services	2.00
6	PLCC & Telephones	34.54
7	Sub-station equipments	606.19
8	Transmission lines	314.52
9	Workshop & Laboratory Test equipments	6.00
10	Vehicle	10.00
GRAND TOTAL		1604.00

Capital cost of scheme (without IDC)= Rs. 1604.00 lacs.

Capital cost of scheme (including IDC)= Rs. 1797.09 lacs.

Note: The provision for items at Sr. no. 6 to 8 above are inclusive of overhead charges as per order no. RVPN/CCOA/Estt.- Cont./F.51/D. 455 dt. 22.2.2008 (Control-139), whereas, for other items; lump sum provision have been shown.

(Pankaj Agarwal)
Executive Engineer (T&C)
R.R.V.P.N.L., Chittorgarh (Raj.)

I. D. C. CALCULATION :

Scheme : 132kV GSS at Rooparail PS Jhalrapatan

PROJECT COST = 1315.69 lacs.

(All figures are in Rs. lacs.)

Year	% Loan during the year	Opening Balance	Loan during the year	Interest @ 13.0% Opening balance	Interest % 6.50% loan during the year	Total I.D.C. (5+6)	Loan during the year with IDC (4+7)	Closing Balance with IDC (3+4+7)
1	2	3	4	5	6	7	8	9
I	40%	0.00	526.28	0.00	34.21	34.21	560.48	560.48
II	60%	560.48	789.41	72.86	51.31	124.17	913.59	1474.07
Total	100%		1315.69	72.86	85.52	158.38	1474.07	

TOTAL PROJECT COST INCLUDING I.D.C.= 1474.07 lacs.

I. D. C. CALCULATION :

Scheme : 132kV GSS at Riyabari

PROJECT COST = 1551.58 lacs.

(All figures are in Rs. lacs.)

Year	% Loan during the year	Opening Balance	Loan during the year	Interest @ 13.0% Opening balance	Interest % 6.50% loan during the year	Total I.D.C. (5+6)	Loan during the year with IDC (4+7)	Closing Balance with IDC (3+4+7)
1	2	3	4	5	6	7	8	9
I	40%	0.00	620.63	0.00	40.34	40.34	660.97	660.97
II	60%	660.97	930.95	85.93	60.51	146.44	1077.39	1738.36
Total	100%		1551.58	85.93	100.85	186.78	1738.36	

TOTAL PROJECT COST INCLUDING I.D.C.= 1738.36 lacs.

I. D. C. CALCULATION :

Scheme : 132kV GSS at Chordi

PROJECT COST = 1604.00 lacs.

(All figures are in Rs. lacs.)

Year	% Loan during the year	Opening Balance	Loan during the year	Interest @ 13.0% Opening balance	Interest % 6.50% loan during the year	Total I.D.C. (5+6)	Loan during the year with IDC (4+7)	Closing Balance with IDC (3+4+7)
1	2	3	4	5	6	7	8	9
I	40%	0.00	641.60	0.00	41.70	41.70	683.30	683.30
II	60%	683.30	962.40	88.83	62.56	151.39	1113.79	1797.09
Total	100%		1604.00	88.83	104.26	193.09	1797.09	

TOTAL PROJECT COST INCLUDING I.D.C.= 1797.09 lacs.

(Pankaj Agarwal)
Executive Engineer (T&C)
R.R.V.P.N.L., Chittorgarh (Raj.)