

Encl. 1

POWERGRID CORPORATION OF INDIA LIMITED
(CORPORATE PLANNING DEPARTMENT)

INTER OFFICE MEMO

From : AGM (CP)

As per distribution

Ref : C/CP/WRLDC

Date : February 19, 2001

Sub: Investment approval for Unified Load Despatch and Communication scheme in Western Region .

Please find enclosed a copy of the MOP's letter No. 12/5/98-PG dated February 05, 2001 and Corrigendum dated February 12, 2001 according investment sanction to Unified Load Despatch and Communication scheme in Western Region at an estimated cost of Rs. 262.18 crores including an IDC of Rs. 46.99 crores based on II quarter 2000 price level.

This is for your kind information and necessary action please.

(Signature)
12/21/2001
(Dr. N.S.Saxena)

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Copy for kind information please:

- CMD
- Director (Projects)
- Director (Finance)
- Director (Operations)
- CVO

No.12/5/98-PG
Government of India
Ministry of Power

New Delhi, the 5th Feb. 2001.

→ KVSB
9/12
CMD
D(OP)
ED(OP)
To ~~ACM(OP)~~

The Chairman & Managing Director,
POWERGRID
New Delhi.

Sub: Feasibility report for the unified load despatch and scheme for Western Region.

Sir,

I am directed to convey the administrative approval and expenditure sanction of the President to the Feasibility report for the unified load despatch and communication scheme for Western Region estimated cost of Rs.262.18 crores including an IDC of Rs. 46.99 crores (based on II Quarter, 2000 price level). The detailed break up of the cost is given in the Annexure.

SCOPE OF THE PROJECT

The scheme would encompass a composite communication, load despatch and SCADA equipment to meet future grid operational requirements commensurate with the generation capacity addition programme. Real-time data from all major generating stations and substations would be gathered and transmitted to State Load Despatch Centres and the Regional System Co-ordination & Control Centres to provide real-time information on system condition and equipment status for monitoring and controlling the system. Computer hardware & software would facilitate both real-time and off-line load flow studies, stability analysis, and reliability studies to analyse and optimise the system operation.

Communication system supporting speech & data transmission would be based on Power Line Carrier Communication (PLCC) and wide-band, high-capacity Microwave and Optical Fibre equipments.

The scheme involves setting up of a Regional System Co-ordination & Control Centre (RSCC) at Mumbai ; the State Load Despatch Centres (SLDCs) at Kalwa, Jambuva, Jabalpur and Ponda for Maharashtra, Gujarat, Madhya Pradesh and Goa respectively. The Sub-Load Despatch Centres (Sub-LDCs) would be set up at suitable locations in the constituent states. Each Sub-LDC will acquire data from the Remote Terminal Units (RTUs).

PROJECT IMPLEMENTATION SCHEDULE

The project is scheduled to be commissioned within 24 months from the date of the investment approval.

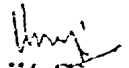
FUNDING OF THE PROJECT

The project would be funded with World Bank loan, state share, domestic borrowings and POWERGRID's internal resources.

PROGRESS REPORT

POWERGRID will submit the monthly progress report indicating the Financial and Physical progress of the implementation of the scheme.

This sanction issues with the concurrence of the Internal Finance of this Ministry vide their Dy. No. 9/Fin./S/2001 dated 5.2.2001.


(Harjit Singh)

Under Secretary to the Government of India

☎ 371 8589

Copy to :

1. Cabinet Secretariat (Shri P. Gopalakrishnan, Director), New Delhi, w.r.t their letter No.CCEA/2/2001 (i) dated 29th Jan., 2001.
2. Ministry of Finance, Plan Finance Div./Department of Economic Affairs, New Delhi.
3. Finance Commission Div. DEA, CGO Complex, New Delhi.
4. Planning Commission, Yojna Bhawan, New Delhi.
5. Department of Programme Implementation, Sardar Patel Bhawan, New Delhi.
6. Chairman, CEA, New Delhi.
7. Member (PS), CEA, New Delhi.
8. Member Secretary, WREB, Mumbai.
9. Controller of Accounts, Ministry of Power, New Delhi.
10. The Principal Director of Commercial Audit and Economic Ministries, New Delhi.
11. Finance /Budget Section, Ministry of Power, New Delhi.
12. Planning Section, Ministry of Power, New Delhi.

Copy to :

PS to MOP/PS to MOS(P)/PPS to Secretary (Power)/PS to AS(P)/PS to JS&FA, Ministry of Power.

Annexure.

ABSTRACT COST ESTIMATE
FOR
LOAD DESPATCH & COMMN. SCHEME
FOR WESTERN REGION

(RS. IN CRORES.)

SL. NO.	DESCRIPTION	WRLDG	MPEB	GUJARAT	GOA	TOTAL GRAND
A.	Preliminary & Gen. Civil Works	0.02				0.02
B.	Land & Compensation	0.33				0.33
C.	CIVIL WORKS					
	i) Infrastructure					
	ii) Building	4.40	0.11	0.11	0.11	4.73
	iii) Colony					
	SUB TOTAL	4.40	0.11	0.11	0.11	4.73
D.	EQUIPMENT COST					
	(i) RTU's	0.30	12.22		0.60	13.18
	(ii) Adaptation work	0.10	3.21		0.17	4.08
	(iii) Communication	10.42	32.52		0.05	43.11
	(iv) Power Supply	0.71	1.72	1.41	0.46	4.30
	(v) Computer Systems	15.72	12.41	11.06	3.04	42.23
	SUB TOTAL	27.31	62.88	12.47	4.32	106.90
	Air Insurance & Freight @ 3 % of FOB. (D1 + D5 + FC portion of D3)	0.75	1.62	0.33	0.11	2.81
	CIF/Exworks	28.06	64.42	12.80	4.43	109.71
	Custom Duty @ 53.816% (D1 + D5 + Foreign portion of D3)					
	Excise Duty @ 16% & CST @ 4% of (Exworks + ED). (D2 + D4 + Indigenous portion of D3)	14.28	31.74	6.42	2.16	54.60
	Inland Freight & Insurance @ 4 % of CIF/Exworks	1.12	2.58	0.51	0.15	4.37
	Total Equipment cost(S)	43.46	98.74	19.73	6.75	169.62
	Erection, Testing & Commissioning @ 10 % of the CIF/Exworks cost (@ 20% for FC)	5.36	12.09	2.42	0.62	20.60
	Total Equipment cost(S + E)	48.82	110.74	22.15	7.37	189.28
E.	MISC. TOOLS & PLANTS					
F.	MAINTENANCE					
G.	ENGINEERING & ADMN.	2.44	5.54	1.11	0.38	9.47
	i) Establishment incl. audit and accouts					
	ii) Losses on Stocks					
H.	CONSULTANCY	3.79				3.79
I.	TRAINING	0.49	1.11	0.22	0.08	1.90
J.	CONTINGENCY	1.46	3.32	0.66	0.20	5.67
	TOTAL EXCL. IDC	61.78	126.81	24.26	8.07	116.92
K.	INTEREST DURING CONSTRUCTION	10.11	10.11	5.30	1.63	27.15
	TOTAL PROJECT COST INCL. IDC	71.89	136.92	29.56	9.70	143.17

ABSTRACT COST ESTIMATE
FOR
LOAD DESPATCH & COINTEGRATION SCHEME
FOR WESTERN REGION

Annexure

- POWERGRID SHARE

(RS. IN CRORES.)

SL. NO.	DESCRIPTION	WRLODC	MPEB	GUJARAT	COA	GRAND TOTAL
A.	PRELIMINARY & CIVIL WORKS	0.02				0.02
B.	LAND & COMPENSATION	0.33				0.33
C.	CIVIL WORKS					
	(i) Infrastructure					
	(ii) Building	4.40				4.40
	(iii) Colony					
	SUB TOTAL	4.40				4.40
D.	EQUIPMENT COST					
	(i) RTU's	0.30	12.28		0.60	13.18
	(ii) Adaptation work	0.10	3.81		0.17	4.08
	(iii) Communication	10.48	32.58		0.05	43.11
	(iv) Power Supply	0.71	1.72	1.41	0.46	4.30
	(v) Computer Systems	15.72	12.41	11.06	3.04	42.23
	SUB TOTAL	27.31	62.80	12.47	4.32	106.90
	Air Insurance & Freight (@ 3 % of FOB. (D1 + D5 + FC portion of D3)	0.75	1.62	0.33	0.11	2.81
	CIF/Exworks	28.06	64.42	12.80	4.43	109.71
	Custom Duty @ 53.816% (D1 + D5 + Foreign portion of D3)					
	Excise Duty @ 16% & CST (@ 4% of (Exworks + ED). (D2 + D4 + indigenous portion of D3)	14.28	31.74	6.42	2.16	54.60
7.00	Inland Freight & Insurance (@ 4 % of CIF/Exworks	1.12	2.58	0.51	0.15	4.37
	Total Equipment cost(S)	43.45	98.74	19.73	6.75	168.68
	Erection, Testing & Commissioning @ 10 % of the CIF/Exworks cost! (@ 20% for FC)	5.36	12.00	2.42	0.82	20.60
	Total Equipment cost(S + E)	48.82	110.74	22.15	7.57	189.28
E.	MISC. TOOLS & PLANTS					
F.	MAINTENANCE					
G.	ENGINEERING & ADMIN.	2.44	1.11	0.22	0.08	3.85
	(i) Establishment incl. audit and accounts					
	(ii) Losses on Stocks					
H.	CONSULTANCY	3.79				3.79
I.	TRAINING	0.49	1.11	0.22	0.08	1.90
J.	CONTINGENCY	1.46	3.32	0.66	0.23	5.67
	TOTAL EXCL. IDC	61.75	116.28	23.25	7.96	209.24
K.	INTEREST DURING CONSTRUCTION	13.45	25.33	5.06	1.73	45.57
	TOTAL PROJECT COST INCL. IDC	75.20	141.61	28.31	9.69	254.82

ABSTRACT COST ESTIMATE
FOR
LOAD DESPATCH & COMMN. SCHEME
FOR WESTERN REGION
CONSTITUENT SHARE

(RS. IN CRORES)

SL. NO.	DESCRIPTION	MPEB	GUJARAT	GOA	GRAND TOTAL
A.	PRELIMINARY & CIVIL WORKS				
B.	LAND & COMPENSATION				
C.	CIVIL WORKS				
	i) Infrastrucutre				
	ii) Building	0.11	0.11	0.11	0.33
	iii) Colony				
	SUB TOTAL	0.11	0.11	0.11	0.33
D.	ENGINEERING & ADMN.	4.43	0.89	0.30	5.62
	i) Establishment incl. audit and acconts				
	TOTAL EXCL. IDC	4.54	1.00	0.41	5.95
E.	INTEREST DURING CONSTRUCTION	1.08	0.24	0.10	1.41
	TOTAL PROJECT COST INCL. IDC	5.62	1.24	0.51	7.36

New Delhi, the 12th Feb., 2001

CORRIGENDUM

Sub: Feasibility report for the unified load despatch and scheme for Western Region.

In this Ministry's letter of even no. dated 5th Feb. 2001, under the heading "Project Implementation Schedule" the existing sentence may be substituted by the following :

"The project is scheduled to be commissioned within 48 months from the date of the investment approval".


(Harjit Singh)

Under Secretary to the Govt. of India

Copy to :

1. ✓ CMD, POWERGRID, New Delhi.
2. Cabinet Secretariat (Shri P. Gopalakrishnan) Director, Cabinet Secretariat, New Delhi, w.r.t their letter No.CCEA/2/2001(i) dated 29th Jan., 2001.
3. Ministry of Finance, Plan Finance Div./Department of Economic Affairs, New Delhi.
4. Finance Commission Div. DEA, CGO Complex, New Delhi.
5. Planning Commission, Yojna Bhawan, New Delhi.
6. Department of Programme Implementation, Sardar Patel Bhawan, New Delhi.
7. Chairman, CEA, New Delhi.
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