

Enel-1

# पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड

(भारत सरकार का उद्यम)

## POWER GRID CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)



पावरग्रिड

केन्द्रीय कार्यालय : "सौदामिनी" प्लॉट सं. 2, सैक्टर-29, गुडगाँव-122 001, हरियाणा  
फोन : 2571700 - 719, फैक्स : 2571760, 2571761 तार: 'नेटग्रिड'  
Corporate Office : "Saudamini" Plot No. 2, Sector-29, Gurgaon-122 001, Haryana  
Tel. : 2571700 - 719, Fax : 2571760, 2571761 Gram : 'NATGRID'

संदर्भ संख्या/Ref. Number

Ref : C/CP/N71-00

Dated: July 13, 2004

### MEMORANDUM

#### SUB: INVESTMENT APPROVAL FOR NORTHERN REGION SYSTEM STRENGTHENING SCHEME -III

The Board of Directors of POWERGRID, in exercise of powers delegated to it by the Government of India through its O.M. No. 11/36/97-FIN dated 9.10.1997, have accorded investment approval for establishment of the "Northern Region System Strengthening Scheme -III", in its 155<sup>th</sup> meeting held on 11<sup>th</sup> June, 2004, as per the details, given below :

#### 1. Scope of project

Following work is included in the scope of the present scheme:

#### Transmission Lines :

- ❖ Malerkotla-Ludhiana 400kV S/C line
- ❖ Ludhiana-Juliandhar 400kV S/C line
- ❖ LILO of one circuit of Hissar-Moga 400 kV D/C line at Fatehabad

#### Substations :

- ❖ Ludhiana 400/220 kV (POWERGRID) Substation (New)
- ❖ Fatehabad 400/220 kV (POWERGRID) Substation (New)
- ❖ Malerkotla 400/220 kV (POWERGRID) Sub-Station (Extension)
- ❖ Juliandhar 400/220 kV (POWERGRID) Sub-Station (Extension)
- ❖ Hissar 400/220 kV (POWERGRID) Substation (Extension)

#### 2. Project Cost & Funding


Estimated cost of the project based on the 4<sup>th</sup> quarter 2003 price level is Rs. 230.52 Crore (including an IDC of Rs. 14.77 Crore). Abstract cost estimate is enclosed at Annexure-I. This project is envisaged to be implemented from funds mobilized through

domestic borrowings / bonds and POWERGRID's own internal resources with debt : equity ratio of 70:30.

### 3. Implementation Schedule

The project is scheduled to be commissioned within 33 months from the date of first letter of award for Sub-station package.

This is issued in pursuance of the minutes of meeting of the 155<sup>th</sup> meeting of Board of Directors held on 11<sup>th</sup> June, 2004.

  
(Sanjeev Singh)  
Addl. General Manager (CP)

#### Distribution:

ED : Finance/ OS/ CMG / CS/ LD &C, IT/ SO / Comml./ MM/ Engg., QA & I / BDD/  
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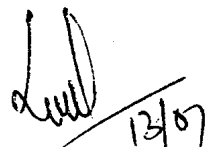
AGM : ESMD

DGM : Cost Engg./ SEF

#### Copy for kind information please:

Director : Finance/ Projects/Personnel

CVO

  
(Sanjeev Singh)  
Addl. General Manager (CP)

Copy for kind information please:

1. PS to Secretary (Power)
2. Chairman, CERC, Core-3, 6<sup>th</sup> floor, SCOPE complex, New Delhi- 110 003
3. Chairman, CEA , R.K.Puram, New Delhi -66
4. Commissioner, Power Development Deptt., Govt. of Jammu & Kashmir, Mini Secretariat, Jammu
5. Chairman, Himachal Pradesh SEB, Vidyut Bhawan, Kumar House Complex Building-II, Shimla-171004
6. Chairman, Punjab State Electricity Board, The Mall, Patiala-147001
7. CMD, Haryana Vidyut Prasaran Nigam Ltd., Shakti Bhawan, sector-6, Panchkula (Haryana) – 134109
8. CMD, Rajasthan State Electricity Board; Vidyut Bhawan, Vidyut Marg, Jaipur-302005.
9. CMD, UPPCL, Shakti Bhawan, 14, Ashok Marg, Lucknow – 226001
10. CMD, Uttaranchal Power Corporation Ltd., Kaulagarh Power House, FRI complex, Dehradun-248006.
11. CMD, Delhi Power Supply Corp. Ltd., Shakti Sadan Building, I.T.O, Kotla Road New Delhi-110 001
12. Chief Engineer, Electricity Deptt., Chandigarh Administration, Mini Secretariat (U.T.), Sector-9, Chandigarh.
13. Advisor, PAMD, Planning Commission , Yojana Bhawan, New Delhi
14. Additional Secretary, MOP
15. Member Secretary, Planning Commission , Yojana Bhawan, New Delhi
16. Member Secretary, NREB, 18/A, Shaheed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi-110 016
17. Member (Power Systems), CEA, R.K.Puram, New Delhi -66
18. Secretary, CEA, Sewa Bhawan, R.K.Puram, New Delhi -66 – 03 copies
19. Additional Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi.
20. Joint Secretary & Financial Advisor, MOP

21. Joint Secretary (Trans & IPC), MOP
22. Joint Secretary (Plan Finance Div.-II), Ministry of Finance
23. Director, Ministry of Finance (Plan finance Div.) North-Block, New Delhi-1
24. Deputy Secretary, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi
25. Under Secretary (T&D), Ministry of Power.
26. Under Secretary, Finance & Budget Section, MoP

  
(Sanjeev Singh)  
Addl. General Manager (CP)

**ABSTRACT COST ESTIMATE**  
(BASE COST)  
**NORTHERN REGION SYSTEM STRENGTHENING- III**  
(Cost updated to 4th Qtr. 2003 price level)

Sr. No.	DESCRIPTION	AMOUNT (Rs. in Crs.)
A	Preliminary & Civil Works	
B	Land & Compensation	0.25
C	<b>Civil Works</b>	12.84
	i) Infrastructure	
	ii) Buildings	3.76
	iii) Colony	3.98
		5.52
D	<b>Equipment Cost</b>	
	a) Trans.Lines	
	b) Sub-Stations	63.46
		103.05
<b>Sub Total D</b>		<b>166.50</b>
E	Misc. Tools & Plants (@1% of D)	1.67
F	Maintenance during construction(@1% of D)	1.67
G	Engg. & Administration(@8.5% of D)	14.15
H	Losses on Stock (@0.25% of D)	0.42
I	Contingencies (@3% of D)	5.00
<b>Sub Total (A to I)</b>		<b>215.75</b>
J	Interest During Construction(IDC)	14.77
<b>GRAND TOTAL</b>		<b>230.52</b>

- Note:
1. Loan has been assumed to be available from domestic sources
  2. Interest rate on Loan has been considered @ 8.5% subject to actuals
  3. Debt:Equity ratio has been considered as 70:30