

पावर ग्रिड कार्पोरेशन ऑफ इंडिया लिमिटेड

(सर्व सारकार का उद्योग)

POWER GRID CORPORATION OF INDIA LIMITED

(A Government of India Enterprise)



पावरग्रिड

केन्द्रीय कार्यालय : 'सौदामिनी' प्लॉट सं. 2, सेक्टर-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'

Ref Number  
 C/CP/RCE NRSS-1

October 21, 2008

**MEMORANDUM****SUB: INVESTMENT APPROVAL FOR REVISED COST ESTIMATE (RCE) OF NORTHERN REGION SYSTEM STRENGTHENING SCHEME - I**

The Board of Directors of POWERGRID, in exercise of powers delegated to it by the Department of Public Enterprises (DPE), Ministry of Heavy Industries and Public Enterprises, Government of India through its Office Memorandum No. 26(3)/2005-GM-GL-92 dated 1<sup>st</sup> May, 2008 and Office Memorandum No. DPE/11(2)/97-Fin. dated 22<sup>nd</sup> July, 1997 (modified subsequently through Office Memorandum No. 18(24)/2003-GM-GL.64 dated 5<sup>th</sup> August, 2005), have accorded investment approval for "Revised Cost Estimate (RCE) of Northern Region System Strengthening Scheme - I" in its 213<sup>th</sup> meeting held on 17<sup>th</sup> September, 2008, as per the details given below:

**1. Scope of project**

Following scope of works was implemented under the project:

**Transmission Lines:**

- (i) 400 kV S/C Bareilly (POWERGRID)- Moradabad (UPPCL) line
- (ii) 400 kV D/C Kanpur (POWERGRID) - Auraiya (NTPC) line
- (iii) LILO of 400kV S/C Sultanpur (UPPCL) - Lucknow (UPPCL) line at Lucknow (POWERGRID)
- (iv) LILO of 400 kV S/C Lucknow (UPPCL) - Moradabad (UPPCL) line at Bareilly (POWERGRID)
- (v) LILO of 400 kV D/C Bareilly (UPPCL) - Mandaula (POWERGRID) line at Bareilly (POWERGRID)
- (vii) LILO of 400 kV S/C Kanpur (POWERGRID) - Agra (POWERGRID) line at Auraiya (NTPC)\*

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ATTESTED TRUE COPY

Registered Office : B-9, Outab Institutional Area, Katwaria Sarai, New Delhi-110016 Tel. : 2656012

स्वहित एवं राष्ट्रहित में ऊर्जा बचाएं

राजेश कुमार  
 Authorized Signatory



Substation:

- (i) New 400 kV Bareilly Switching Station (POWERGRID)
- (ii) Extension of 400/220 kV Lucknow Substation (POWERGRID)
- (iii) Extension of 400/220 kV Kanpur Substation (POWERGRID)
- (iv) Extension of 400/220 kV Mandaula Substation (POWERGRID)
- (v) Extension of 400/220 kV Moradabad Substation (UPPCL)
- (vi) Extension of 400 kV Auraiya Generation Switchyard (NTPC)

\* LILO of 400 kV S/C Kanpur (POWERGRID) - Agra (POWERGRID) line at Auraiya (NTPC) was deleted from the original scope as it was decided to defer the same in the 16<sup>th</sup> meeting of Standing Committee on Transmission System Planning of Northern Region, held on 24.03.2004. Accordingly, this element was not implemented under the project.

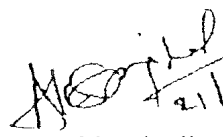
2. Project Cost & Funding

Revised Cost Estimate of the project is Rs. 350.84 Crore including IDC of Rs. 15.84 Crore at 4<sup>th</sup> Quarter, 2007 price level. The abstract cost estimate is attached as **Annexure-I**. This project was funded through domestic borrowings (loans/bonds) and Internal Resources of POWERGRID with Debt Equity ratio of 70:30

3. Commissioning Schedule

All the elements have been commissioned progressively by May, 2008.

This is issued in pursuance of the minutes of meeting of the 213<sup>th</sup> meeting of Board of Directors held on 17<sup>th</sup> September, 2008.

  
(A. K. Singhal)

Deputy General Manager (CP)

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(21)



Distribution:

1. PS to Secretary (Power), MoP, Shram Shakti Bhawan, New Delhi-110 001
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 Transco Limited (DTL), Shakti Sadan, Kolla Road, New Delhi-02
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, Shram Shakti Bhawan, New Delhi
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. Joint Secretary, Ministry of Statistics & Programme Implementation, Sardar Patel Bhawan, New Delhi.
20. Joint Secretary & Financial Advisor, MOP, Shram Shakti Bhawan, New Delhi
21. Joint Secretary (Plan Finance Div.-II), Ministry of Finance
22. Director (Trans), MOP, Shram Shakti Bhawan, New Delhi
23. Director, Ministry of Finance (Plan finance Div.) North Block, New Delhi
24. Deputy Secretary, Cabinet Secretariat, Rashtrapati Bhawan, New Delhi
25. Under Secretary, Finance & Budget Section, MoP

*(A.K. Singh)*

Deputy General Manager (CP)

*25* (24)

**ABSTRACT COST ESTIMATE**  
(Base Cost)  
**NORTHERN REGION SYSTEM STRENGTHENING SCHEME- I**  
(Q4/2007 Price Level)

(Rs. In Crore)

SL. NO.	DESCRIPTION	AMOUNT
A	PRELIMINARY WORKS	0.00
B	LAND & COMPENSATION	6.88
C	CIVIL WORKS	
	INFRASTRUCTURE	5.20
	BUILDINGS	1.68
	COLONY	4.43
D	EQUIPMENT COST	
	TRANSMISSION LINES	205.67
	SUBSTATION	101.60
	SUB TOTAL D	307.27
E	MISC. TOOLS & PLANTS	
F	MAINTENANCE DURING CONSTRUCTION	
G	ENGG. & ADMINISTRATION	9.55
H	LOSSES ON STOCK	
I	CONTINGENCIES	
	SUB TOTAL (A TO I)	335.00
J	IDC	15.84
	<b>TOTAL PROJECT COST</b>	<b>350.84</b>

