

CMD
Dir (Pro)
ED (BDD)
13/1/17

No.3/6/2016-Trans
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg, New Delhi – 110001

Dated, 6th January, 2017

OFFICE MEMORANDUM

Gm (OOD)
P7 discuss
JMD
13.1.17

Subject: Prime Minister's Reconstruction Plan (PMRP) 2015 for Jammu & Kashmir.

The undersigned is directed to refer the letter received from Office of the Development Commissioner(Power),PDD J&K No; DCP/J&K/Camp-gr/01-04 dated 25th October 2016 regarding Detailed Project Report for Transmission works for J&K under the above cited subject and to convey the approval for project cost of Rs.1189.59 crore (detailed at annexure I) and sanction of Government of India Grant of Rs1065.30 Crore being 90% of approved project costs of 1183.67 Crore and Rs 5.95 Cr. being 0.5% of approved project cost as Grant for Project Management Agency (PMA). This is in continuation of the sanction order No. 16/38/2018-IPDS(Vol.II)(Pt) dated 9.11.2016 for Rs. 2570.14 crores (Project Cost) for Distribution Projects under PMRP 2015.

2. In order to receive fund under the scheme, utility shall open separate dedicated bank account in a nationalized bank having e-banking facility. The nature of the PMRP account shall be current Account with CLTD (Corporate Liquid Term Deposit) facility.

3. On request from Utilities, Gol shall release funds through PGCIL to the dedicated bank account of utilities.

4. Mechanism for release of grant would follow Para 2.4 of Chapter IV IPDS guidelines;

(i) Release of 10% of eligible Grant Component (1st tranche) on Appointment of Project Management Agency (PMA) by the utility.

(ii) Release of 20% of eligible Grant Component (2nd tranche) on achievement of following;

a) Placement of Award

b) Updating of web portal regarding award details

c) In case the award cost is lower vis-à-vis the approved project cost, 2nd tranche shall be suitably adjusted.

(iii) Release of 60% of eligible Grant Component (3rd tranche) on submission of following:

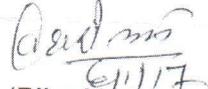
a) Certificate from utility regarding utilization of 90% of grant released under 1st and 2nd Tranche.

b) Receipt of 100% of utility contribution (10% of approved project cost)

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...2/-

- c) Financial sanction of lenders (FIs/Banks) for 10% of approved project cost in case utility needs to avail loan for the project and /or commitment to bring its own fund.
 - d) Recommendation of PMA supported by a report on expenditure, progress and constraints if any for timely completion of project.
- (iv) Release of 10% OF ELIGIBLE Grant component (final tranche) on submission of following:
- a) Project Completion Certificate, duly recommended by the Head of Utility, in the stipulated format.
 - b) PMA report regarding Project Completion and expenditure incurred along with recommendation in accordance with the guidelines.
5. Projects completion period shall be 30 month from date of sanction. Expenditure incurred after the sanction letter date shall only be eligible for Grant utilization.
6. Acceptance to the above approved project cost and the Terms and Conditions may be communicated within 15 days from the date of issue of the sanction letter.
7. The progress of the works would be monitored by PGCIL for the transmission work.
8. This issues with the approval of Secretary (Power).


(Bihari Lal)

Under Secretary to the Govt. of India
Telefax: 2332 5242
E-mail: transdesk-mop@nic.in

To,
Chief Secretary
Govt. of Jammu & Kashmir
Civil Secretariat
Jammu-180001

Copy to:

1. CMD, PGCIL, Gurugram
2. Shri Sunil Kumar, ED (DDUGJY), REC
3. Shri Subir Saha, GM (IPDS), PFC
4. Shri Atul Kumar Agarwal, AGM (PGCIL)
5. PPSs to JS(Trans)/ JS(Hydro)/ JS(FA)/ Dir(Trans)/ Dir (Distribution)

Annexure I

Region	Brief Description of transmission schemes under PMRRP-2015/ PMDP-2015	Scheme cost escalated @5% per annum
Jammu	220/66 KV Grid Sub-station: 2 nos. (Kathua(160 MVA) and Samba(160 MVA)), 220/33 KV Grid Sub-station: 2 nos.(Chowadhi(160 MVA) and Nagrota(100 MVA)), 132/33KV Grid Sub-station: 1 no. (Chattha(100 MVA)), 132/66 kV Grid Station augmentation by 1x50MVA, 132/66kV transformer: 1 no.(Kathua), 132/33 kV Grid Station augmentation by 1x50MVA, 132/33kV transformer: 4 nos.(Janipur, Poni Chak, Sidhra and Miran Sahib), 220kV D/C transmission lines (Total 33 km), 132kV D/C transmission lines (Total 8 km), Reconducturing of 132kV line by HTLS (Total 76 ckm) and Twinning of bus bar of 220kV bus at Hiranagar from double zebra to double moose and strengthening of structures.	Rs. 42041 Lacs
Kashmir	220/33 KV Grid Sub-station (GIS): 2 nos. (Batpora Tailbal(160 MVA) and Lassipora (160 MVA)), 132/33 KV Grid Sub-station (GIS): 2 nos. (Khanyar(100 MVA) and Tengpora(150 MVA)), 132/33 kV Grid Station augmentation of by 1x50MVA, 132/33kV transformer: 5 nos. (Zainakote, Bemina, Cheshmashahi, Chadoora and Khrew Grid Sub-station), 220kV D/C transmission lines (Total 34.4 km), 132kV D/C transmission Cables (Total 18 km) and Reconducturing of 132kV line by HTLS (Total 28 km)	Rs. 41444 Lacs
Ladakh	220/33 KV Grid Sub-station: 2 nos. (Diskit (Nubra)(50 MVA) and Padum (Zanskar)(50 MVA)), 220kV S/C transmission lines on D/C Towers (Total 307 km), one no. 220kV line bay each at 220/66kVPhyang (PGCIL)LEH S/S and 220/66kV Kargil (PGCIL) S/S and 1x25 MVar, 220/33kV bus reactor at Padum along with 220kV bay	Rs. 35474 Lacs
Jammu, Kashmir and Ladakh	Total cost (in Rs. Lacs)	118959
Jammu, Kashmir and Ladakh	Total cost (in Rs. crore)	1189.59

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Cost abstract of the schemes under PMDP (PMRRP) for the year 2016-17, 2017-18 & 2018-19 in respect of S&O Wing, Jammu

S. No.	Name of the Scheme / Project	Scheme cost	Scheme cost with 5% Escalation per year based on yearly physical phasing	Priority-I			Remarks
				Proposed Outlay 2016-17	Proposed Outlay 2017-18	Proposed Outlay 2018-19	
[A]	Infrastructure at 220 KV Level						
1	Construction of 220/33 KV Grid Stations along with allied Trans. Lines.						
a	Nagrota (2x50) MVA including S/C line LILO of Udampur-Gladni Tr. Line (5 Kms)	6214.74	6463.33	2485.90	2610.19	1367.24	Shall feed Nagrota, Dhonthly, Karan Nagar etc areas of Jammu city
b	Chowadhi (53.33x3)MVA+(53.33x1)MVA (Spare) including S/C LILO of Hiranagar-Gladni Tr. Line (8 Kms)	7370.24	7665.05	2948.10	3095.50	1621.45	Will supply power to Sainik Colony, Sunjawan areas of Jammu city
c	Samba (53.33x3)MVA+(53.33x1)MVA (Spare) including D/C LILO of Hiranagar-Bishnah Tr. Line (8 Kms)	7950.65	8268.68	3180.26	3339.27	1749.14	For Industrial Estate of Samba
d	Kathua-II (Ghatti) (53.33x3)MVA+(53.33x1)MVA (Spare) including D/C LILO of Thein-Hiranagar Tr. Line (6 Kms)	7752.57	8062.67	3101.03	3256.08	1705.57	For Industrial Estate of Kathua
e	LILO of Double Circuit Hiranagar-Bishnah Tr. Line from 400/220 KV Jatwal Grid Station	594.24	618.01	237.70	249.58	130.7328	For supplying power to Jammu city
2	Construction of 132/33 KV Grid Station						
a	Chatha (2x50MVA) including D/C LILO tapping from 132KV D/C Canal-Miran sahib Tr. Line for Grid station Chattha (8 Kms)	4707.78	4896.09	1883.11	1977.27	1035.71	Shall feed Ranibagh, Karan Bagh, Cantonment areas of Jammu City
[B]	Infrastructure at 132 KV Level						
2	AUGMENTATION OF 132/66 – 33 KV GRID SUB STATIONS						
a	Janipur (2x50)MVA to (3x50) MVA	653.77	679.92	261.51	274.58	143.83	
b	Sidhra (2x20)MVA to (2x50) MVA	852.82	886.93	341.13	358.18	187.62	
c	Pounichak (1x50)MVA to (2x50) MVA	653.77	679.92	261.51	274.58	143.83	
d	Kathua (2x50+1x20)MVA to (3x50) MVA	441.41	459.07	176.56	185.39	97.11	
e	Miran Sahib (1x50+2x20)MVA to (3x50) MVA	852.82	886.93	341.13	358.18	187.62	Feeds Airport, Gadigarn & adjoining areas of
[C]	Re-conductoring of 220 and 132 KV Transmission Lines.						
a	Provision for Re-conductoring of 132 KV D/C Hiranagar Kathua Transmission Line from existing Panther ACSR to HTLS equivalent conductor to double the current carrying capacity of the line (76 circuit Kms.) @ 30 lacs/Ckt Km	2280	2371.20	912.00	957.60	501.6	
b	Twinning of bus bar of 220KV bus at Hiranagar from double Zebra to double moose & strengthening of structures.	100	104.00	40.00	42.00	22	
	Total (A+B+C)	40424.81	42041.80	16169.92	16978.42	8893.46	

Note - Cost for infrastructure at 66KV level has been arrived at by taking a 10% increased on the approved cost data of infrastructure at 33KV level



Executive Engineer
JMD I (JKPTCL)
Jammu.

Superintending Engineer
O&M, Circle-I, JKPTCL
Jammu

Chief Engineer (Transmission),
Jammu, JKPTCL

COST ESTIMATION FOR CONSTRUCTION OF 100MVA, 220/33 KV GRID SUB STATION NAGROTA

S.No	Item of Work	Unit	Qty	Unit Cost	Amount
A: GRID SUB STATION					
1	220KV Line Bay	No	2	295.98	591.95
2	220KV Bus Coupler Bay	No	1	258.40	258.40
3	Aux., Neutral & Tertiary buses.	No	1	220.18	220.18
4	220KV Transformer Bay	No	2	259.78	519.56
5	220 KV Transfer Bus Bay	No	1	227.53	227.53
6	Transformer (2x50 MVA, 220/33KV)	No	2	475.00	950.00
8	33KV Line Bay	No	4	68.68	274.72
9	33KV Bus Coupler Bay	No	1	69.78	69.78
10	33KV Transformer Bay (33 KV side of 220/33KV Transformer)	No	2	69.20	138.40
11	33KV Aux. Bay	No.	1	66.16	66.16
12	Construction of Auxilary Sub Station	Job	1	22.61	22.61
13	Common Miscellaneous works of 220/ 33 KV Grid Station	Job	1	467.00	467.00
14	Common Civil works of 220/ 33 KV Grid Station (Rural Areas)	Job	1	1913.24	1913.24
TOTAL					5719.53
B:220 KV TRANSMISSION LINE					
1	Construction of LILO of 220 KV S/C Gladni-Udhampur Tr. Line	KM	5	99.04	495.20
TOTAL					495.20
TOTAL PROJECT COST = A+B					6214.73
Scheme cost with 5% Esclation per year based on yearly physical phasing					6463.33




Executive Engineer
PLMD I (JKPTCL)
Jammu.


Superintending Engineer
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Jammu


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Jammu, JKPTCL