

**J & K POWER DEVELOPMENT DEPARTMENT  
OFFICE OF THE SUPERINTENDING ENGINEER, COMMERCIAL &  
SURVEY CIRCLE, SRINAGAR KASHMIR.**

**EXPRESSION OF INTEREST**

**NIT No. SE/C&S/ 02 of 2011**

- 1 The Superintending Engineer, Commercial & survey Circle, -- camp Jammu Power Development Department J&K, for and on behalf of the Governor of Jammu & Kashmir State, invites sealed bids from reputed, experienced and financially sound consultants ,fulfilling the eligibility qualification requirements specified herein and in the bidding documents for the works detailed below. The tenders should be addressed to Chief Engineer, Commercial & Survey Wing, PDD Complex, Gladni Narwal Jammu, which should reach his office on or before 23-4-2011 up to 3 PM. The bids shall be opened on the same day or any subsequent day to the convenience of tender opening committee in the presence of bidders or their authorized representatives who may desire to be present.

<b>Scope Of The Work</b>	<b>Earnest Money</b>	<b>Time &amp; Place Of Sale Of Tender Documents</b>	<b>Cost Of Tender Documents</b>	<b>Last Date Of Receipt Of Tenders</b>
Consultancy services for design & implementation of optical fiber based communication on <b>220Kv/132Kv</b> network & Remote terminal unit (RTU) along with associated systems and integration with the existing system in the Jammu & Kashmir Region of J & K State.	2% of the quoted price	From 22-03-2011 to 18-04-2011 during office hours from the Office of the Ex. Engineer, LDM&T Division, PDD Complex Gladni,Narwal Jammu (J&K)	Rs. 1,000.00 (Rupees One thousand only) in the shape of non-refundable bank draft drawn in favour of Executive Engineer, LDM&T Division, Gladni,Narwal Jammu	23-04-2011 upto 3 pm

- 2) Only the bidders who fulfil the following criteria shall be eligible
- a) The bidder shall have annual turnover of more than **Rs.1.00 Crore ( One Crore)** during the last three (3) years.
  - b) The bidder should have been making net profits for at least two out of last three (3) financial years ending 31-03-2010.
  - c) The bidder must have carried out minimum of three assignments each worth of Rs. 100 lacs for above during last five financial years ending 31-3-2010
3. The interested eligible bidders may purchase bidding documents from the office of the Executive Engineer, Load Dispatch Metering & Testing Division PDD Complex Gladni,Narwal Jammu (J&K) on any working day with effect from 22-03-2011 to 18-04- 2011 upto 1600 hrs on payment of non-refundable amount of Rs 1000/= (Rupees One thousand only) through bank draft drawn in favour of Executive Engineer, Load Dispatch Metering & Testing Division Gladni,Narwal Jammu .

- 4 The details furnished by the bidder along with the bid will be examined in detail as per the requirement of the bidding documents and his eligibility will be established accordingly. The complete bidding documents will also be available on our website [www.sojmupdd.in](http://www.sojmupdd.in) . However they will be required to attach a bank draft of Rs. One thousand drawn in favour of Executive Engineer LDM&T Division Gladni,Narwal Jammu along with the qualification bid.
- 5 The Superintending Engineer Commercial & Survey Circle camp, -- Jammu, Power Development Department reserves the right to cancel the NIT with out assigning any reason thereof

**Phone: 0191- 2476163**

**Fax : 0191- 2476163**

**Sd/  
Superintending Engineer,  
Commercial & Survey Circle – Camp  
Jammu  
J&K PDD,**

GOVERNMENT OF JAMMU AND KASHMIR  
J&K POWER DEVELOPMENT DEPARTMENT

ENGAGEMENT OF CONSULTANT FOR ESTABLISHMENT OF FIBER  
OPTIC BASED COMMUNICATION SYSTEM UNDER PMRP.

TENDER NOTICE NO-02

Issued by  
Superintending Engineer,  
J&K Commercial and Survey  
Circle Camp Jammu J&K  
Power Development Department  
SLDC Complex Gladni Narwal Bala  
Jammu

## **INTRODUCTION**

J&K PDD is a government owned electrical utility engaged in business of bulk transmission of power in the state of J&K

It comprises of a vast network of 220 KV /132 KV lines covering the entire state, majority of which pass through the tough hilly terrain. The existing PLCC communication system is very old and is not capable of monitoring of load flow, system voltage, frequency which are required for taking immediate steps in time to prevent Grid failure and maintain system stability

To coordinate and optimize the utilization of power and ensure reliable and stable power by way of integrated and effective operation, modern telecommunication system is needed for transfer of data, speech, protection of transmission lines and for increasing the reliability of the system.

J&K PDD intends to install modern optical Fibre based telecommunication system for which consultancy services are required for the design and implementation of the project as per the scope given below:-

### **SCOPE OF PROJECT**

- 1 Survey of proposed OPGW network
- 2 SDH Transmission and Multiplex equipments with appropriate management system
- 3 RTU and allied equipments
- 4 Study for protection of transmission lines
- 5 Exchange
- 6 Auxiliary Power Supply Systems
- 7 Up gradation of control centers
- 8 Integration of new equipments with SCADA already installed under NR-ULDC Scheme

It is expected that the telecommunication equipment shall be installed in 65 sub stations. Besides the project also includes construction of the back bone OPGW Network by replacing the existing ground wire. The upgraded telecommunication network will include the laying of about 1500 Kms of OPGW. The list of s/stations and transmission lines is enclosed.

### **SCOPE OF Consultancy services**

The scope of consultancy services shall be covered under two stages

**Stage I** :- The scope covered under stage-I shall comprise of :-

1. Preparation of detailed project Report
2. Preparation of cost estimates
3. Preparation of final design and technical specification
4. Preparation / Elaboration of bidding documents
5. Providing of assistance in evaluation of submitted bids and recommendation in selection of equipment
6. Providing of assistance in review of factory design, approval of drawings & design for installation of equipments.
7. Procedures and programmers for FAT and SAT testing.

### **Stage II**

The department may also take the assistance of the consultant for monitoring the project implementation and commissioning of the above said project, so that the selected bidder is able to follow the time lines given by the department for commissioning

The bidder has to give a separate price bid for stage –II scope of work in the different envelope and the price quoted by the bidder shall be valid for a period of 9 months from the date of submission of price bid

The department will award the contract for stage-II at a later stage, if required. The date of opening of the price bid for stage –II shall be intimated to the

bidder separately at later stage in case the department feel appropriate to take assistance from the reputed consultant for the stage-II scope of work

## **MINIMUM QUALIFICATION OF THE BIDDERS**

### **1. GENERAL**

The Bidder

- a) Must be either a company registered under the Indian Companies Act, 1956 .
- b) Should have carried out minimum of three assignments each worth of Rs. 100 lacs for above during last five financial years ending 31-3-2011. All work experience is to be supported by documents. The documents should show the area of work and methodology adopted to achieve the target
- c) Shall enclose Certificates of successful completion of similar assignments.
- d) Should have minimum annual turnover of Rs. 1.00 *crore* during the last three financial years ending 31-3-2010 and should have made net profit in at least two out of last three years.
- e) Shall enclose Audited annual report or balance sheet duly certified by the Chartered Accountant certifying the turnover and, profit & loss account.
- f) Shall commit full time manpower on regular deployment. An undertaking to this effect needs to be submitted.

Bidder should submit the copies of the following documents in support of the above:-

- i) In case of registered companies , Memorandum of Association and Articles of Association along with commencement of business certificate
- ii) Service tax registration

- iii) Permanent Accountant Number (PAN) allotted by the Income Tax Department
- iv) Details of similar assignments
- v) Proof of Turnover over and Profit and Loss Account.

## 2. **TECHNICAL**

The bidder should have thorough knowledge and understanding and should have carried out the consultancy works in the fields of

- a) Optic fiber communication and SCADA of power utility
- b) State of Art software system design development and customization
- c) Working of power transmission and sub station automation
- d) Implementation of scheme executed as Project Management Consultant.

All orders/contracts/assignment claimed in support to meet the minimum qualification should show that the consultancy services in last 5 years ending 31-3-2010 rendered with Government or Public Sector Undertakings put together and should involve all fields stated in this document.

## 3. **Documents**

The prospective bidders are to furnish the documentary proofs in support of

### 3.1 **Past experience indicating**

- i) Number of years in the business
- ii) List of consultancy/projects successfully completed in the last ten years ending 31<sup>st</sup> March 2011
- iii) List of consultancy/project completed as Project Management Consultant (PMC) in last ten years ending 31<sup>st</sup> March 2011

### 3.2 **Experience of Personnel indicating**

- i) Total number of technical personnel (Permanent / full time )
- ii) Number of key personnel (BE/BTECH/BSC Engg/MCA) with experience more than 7years
- iii) No. of personnel (experienced in relevant field)
  
- iv) Number of personnel (BE/BTECH/BSC Engg/MCA) ( experienced in relevant field) committed to this assignment

3.3 **Financial Strength indicating**

- i) Turnover figures for the last 3 years
- ii) Net profit/loss figures for the last 3 years

The information as required in the Table-I and II are mandatory to be filled completely and are to be supported by documentary evidence failing which the bid will be rejected.

**TABLE -I**

Year	Turn over	Service Tax Paid	Net Profit/Loss	Documents attached
2005-06				
2006-07				
2007-08				
2008-09				
2009-10				

**TABLE -II**

Year	Number of Order /contract executed	Name the area /field involved
2005-06		
2006-07		
2007-08		
2008-09		
2009-10		

4 All the respondents (bidder) may have to make a presentation in the support of bid and may have to furnish the information/replies which deptt may desire.

5 **Evaluation Criteria:-**

The short listing of the bidder will be done on the basis of the past experience, experience of personnel and financial strength with major weight age being attached to the past experience in the relevant field.

6 J&K PDD reserves the full right to accept or reject any proposal and to annul the selection process without any liability or any obligation for such acceptance rejection or annulment without assigning any reason.

### CHECK LIST FOR MINIMUM QUALIFICATION REQUIREMENT

S.No	Minimum Requirement	Response
1	Is the company registered under the Indian Companies Act 1956?	
1 a)	If yes, Memorandum of Association and Articles of Association along with commencement of business certificate enclosed?	
2	Is the bidder company having any actual or potential conflict of interest or pending investigation by any Government Authority?	
3	Registration of service tax and copy of the certificate enclosed?	
4	Is copy of permanent Account No. (PAN) allotted by the Income tax Department enclosed?	
5	Does bidder have three assignments each worth Rs. 100 lacs or above during last three financial years ending 31-3-2010	
6	Do the assignments during last five years put together cover at least four specified areas of Para (2) technical under of minimum qualification ?	
7	Whether the document showing the area of works and methodology adopted is enclosed?	
8	Whether the bidder has attached certificate of successful completion of three assignments of Rs. 100 lacs and above in last three years ending 31-3-2010?	
9	Whether the bidder has net profit in at least two out of last three financial years ending 31-3-2010?	
10	Whether Documents like audited annual report or balance sheet duly certified by Chartered Accountant certifying the turn over enclosed?	

11	Whether full time man power committed on regular employment exclusively for this assignment?	
12	Whether the bidder agrees to make presentation?	

## **General Terms and conditions**

1. The Tenderer shall quote in two parts. Part I shall be the qualification Bid and Part II shall be price Bid . Both the bids shall be in two separate envelopes. Superscribed as stated in the bid documents . Price bid envelop shall contain two envelopes one each for stage-I and Stage-II.
2. The rates quoted shall be FIRM NO Price variation shall be quoted
3. All mandatory taxes shall be deducted at source
4. Period of contract

The stage-I contract shall be completed within a period of three months from the date of issue of LOI/Award

Stage -II of the contract shall be completed within 12 months from the issue of LOI/Award

5. **Payment**

**For stage –I**

70% payment shall be released on completion of preparation of bidding document & balance 30% payment shall be released after completion of assignment

**For Stage-II**

100% payment of the value of Stage \_II contract shall be released after completion of assignment

6. **List of Past Orders**

The bidder firm shall furnish the list of orders executed during last 10 years

7. **Past Performance**

The bidding firm shall enclose successful completion certificate from their customers for similar nature of work

8. Audited reports /Balance sheets/Profit and loss A/c''s of the bidder for last 3 years shall be enclosed.
9. List of qualified staff should be enclosed
10. In case the department wishes to go for implementation of project on turnkey basis, the successful bidder shall not participate in the bid for turnkey project in any manner either directly or through indirect manner. An undertaking to this effect shall be furnished by the bidder along with their offer
11. In complete bid shall be rejected without assigning any reason thereof
12. The department reserves the right to cancel the NIT

## **GENERAL REQUIREMENT**

1. J&K PDD now invites eligible consultants for providing above specified consulting services. Interested consultants must provide information indicating that they are qualified to perform the services in accordance with requirements in the brief description of the assignment above by submitting brochures, key personnel CVs with reference of the proposed technical and managerial staff who will be assigned to work in the project in the field, description of equivalent or similar assignments indicating details such as name of the project with type of equipment, utility , value commencement and end dates of implementation .

For this assignment, we specially request the submission of a brief statement summarizing all relevant details indicating the adequacy of the consultant to conduct this assignment if selected. The statement should not exceed 20 pages in length and should be submitted as a single file (Microsoft word or PDF File) . A signed hard copy should also be submitted. The bids shall be accompanied with an EMD @ 2% of the quoted price in the shape of CDR pledged to Executive Engineer LDM&T Div Jammu.

The last date of receipt of tenders is 23-4-2010 up to 4 pm. For postal delivery of the submissions please indicate clearly on the envelop: Consultancy for establishment of Fiber Optic based communication system and sent to the following postal address.

Chief Engineer,  
Commercial & Survey Wing,  
SLDC Complex, Gladni Narwal Bala  
J&K PDD Jammu

### **Submission of the Bid**

The intending bidders shall submit their bids in two separate envelopes clearly marked as under:-

1. Qualification bid for “Consultancy for establishment of Fiber Optic based communication system” for J&K State.
- 2 Price Bid :- Price bid envelop shall contain two separate bids in Separate envelopes marked as under:-
  - (a) Stage –I “Consultancy Services for establishment of fibre Optic based communication excluding monitoring of project implementation”
  - b) For Stage-II “Monitoring of project implementation and Commissioning”

The bidding documents can be had from the office of the Executive Engineer, J&K Circle Camp Jammu from 22-03-2011 to 18-4-2011 during office hours i.e 10 AM to 4.00 PM and shall be received upto 23-4-2011 till 3 PM in the office of the Chief Engineer, Commercial & Survey Wing J&K PDD SLDC Complex Gladni Narwal Bala Jammu. The qualification bid shall be opened on the next working day or any convenient date. The Price bid of the successful bidders shall be opened thereafter. The information with regard to opening of Price bid shall be given to successful bidder prior to its opening so that they may present themselves on the opening date.

**Superintending Engineer,  
Commercial & Survey Circle – Camp Jammu  
Jammu.**

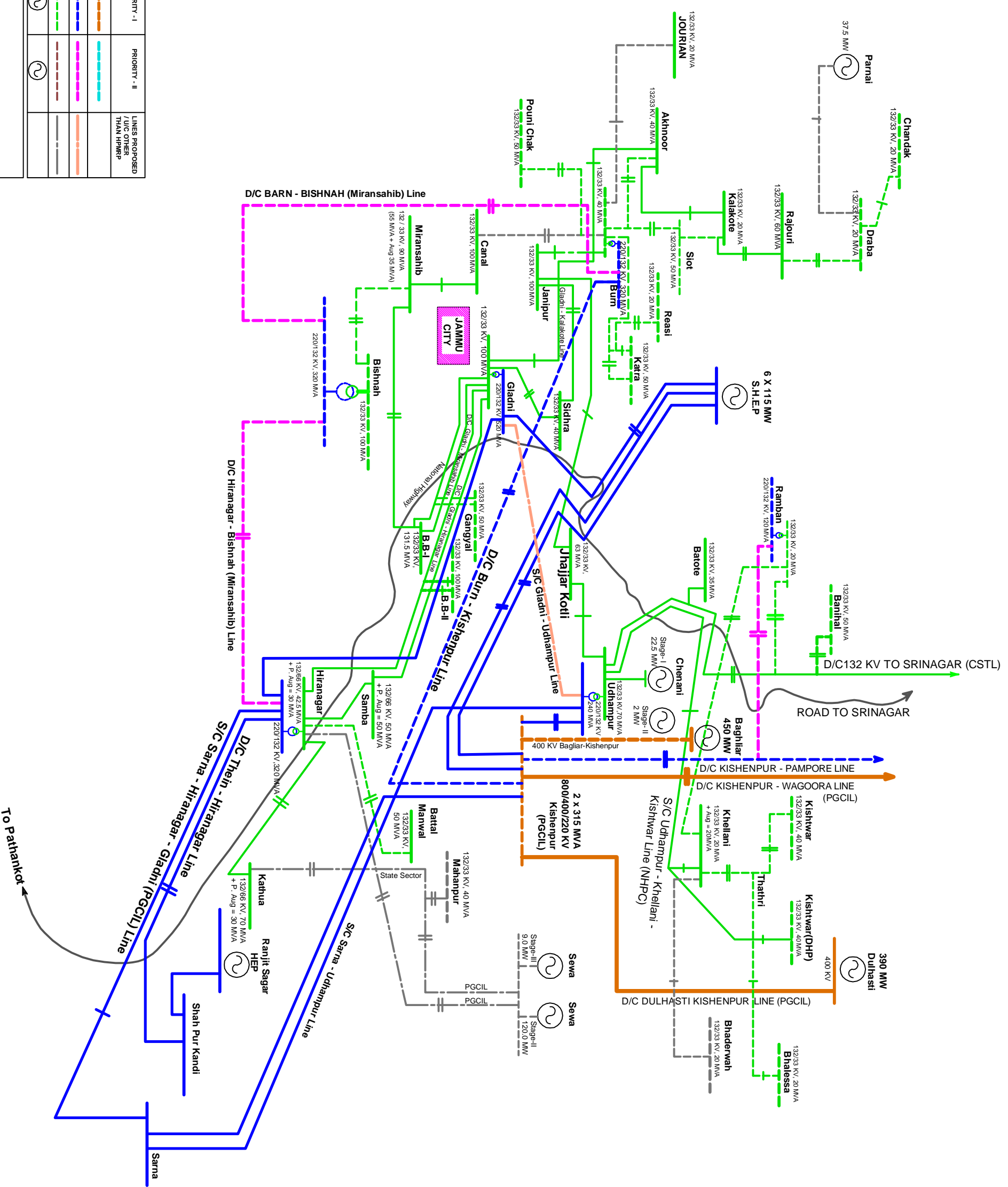
## Names & Line length of 220/132KV Transmission lines of Jammu Region.

S.No.	Name of Transmission Line	Class (KV)	No. of Ckts	Line Length (KM)	Rmarks
<b>Existing Transmission Line 220 KV Level</b>					
1	Barn - Kishanpur	220	2	37.40	
2	Kishenpur Thethar ( KPTL)	220	2	102.00	
1	Sarna - Udhampur	220	1	124.00	
			<b>TOTAL</b>	<b>263.40</b>	
<b>UNDERCONSTRUCTION</b>					
1	Bishnah -Bishnah-Hiranagar	220	2	82.60	
2	Gladni - Udhampur	220	1	47.47	
3	Hiranagar - Shahpur Kandi	220	2	40.40	
4	LILO of KPTL for Ramban Grid	220	2	2.00	
			<b>TOTAL</b>	<b>172.47</b>	
<b>Total line length of existing and under construction 220 KV level</b>				<b>435.87</b>	
<b>Existing Transmission Line 132 KV Level</b>					
1	Gladni-Sidhra-Janipur- Canal	132	2	39.73	
2	Gladni-Akhnoor-Kalakote	132	1	84.50	
3	Janipur - Barn	132	2	14.85	
4	Gladni-BBI- Miransahib	132	2	28.44	
5	Gladni-Samba-Hiranagar-Kathua	132	2	80.23	
6	Janipur-Jajjar Kotli-Udhampur-Chinani	132	1	52.50	
7	Udhampur-Batote-Banihal (CSTL)	132	2	80.00	
8	Kalakote - Rajouri	132	2	28.50	
9	Miransahib - Canal	132	2	16.09	
10	LILO of Gladni - Hiranagar for BB- II	132	1	2.00	
11	LILO of Gladni - Miransahib for Gangyal	132	1	1.00	
			<b>TOTAL</b>	<b>427.84</b>	
<b>UNDERCONSTRUCTION</b>					
1	Hiranagar - Battal Manwal	132	2	38.42	
2	Miransahib - Bishnah	132	2	9.73	
3	Ramban - Khellani	132	2	33.55	
4	Khellani- Kishtwar	132	2	48.70	
5	Rajouri-Draba-chandak	132	2	63.60	
6	Barn - katra- Reasi	132	2	21.00	
7	Barn- Akhnoor-Siot-Kalakote	132	2	57.05	
8	Thatri - Bhalessa	132	1	29.50	
9	LILO of CSTL-I for Ramban Grid	132	1	3.50	
10	LILO of Ring Main for Pouni Chak	132	2	2.58	
11	LILO of Barn - Siot for Akhnoor Grid	132	2	8.40	
			<b>TOTAL</b>	<b>316.03</b>	
<b>Total line length of existing and under construction 132 KV level</b>				<b>743.87</b>	
<b>PROPOSED</b>					
1	Barn to Jourian	132	1	29.00	
2	Draba to Parnai	132	1	---	
3	Kathua - Mahanpur	132	2	---	
4	Khelani - Baderwah	132	1	---	

## Names & Line length of 220/132KV Transmission lines of Kashmir Region.

S.No.	Name of Transmission Line	Class (KV)	No. of Ckts	Line Length (KM)	Rmarks
<b>Existing Transmission Lines.</b>					
1	Wagoora-Shariefabad	220	2	28.00	
2	Kishenpur Pampore (Pampore -Tethar Sec)	220	2	72.00	
3	Bemina -Rawalpora -Pampore	132	2	25.20	
4	Pampore -Wanpoh	132	2	40.37	
5	Wanpoh-Tether	132	2	37.73	
		132	1	4.00	
6	USHP-I-Habak	132	1	50.00	
7	Pampore -Chesmashahi	132	2	13.85	
8	Chemashahi-Habak	132	2	15.00	
9	Wanpoh-Mattan (Double Circuit towers)	132	1	5.70	
		132	2	6.50	
10	Wanpoh-Kulgam (on D/C towers)	132	1	11.30	
11	LJHP-Zainakote	132	2	76.80	
12	Amargarh-Arampora	132	2	34.00	
13	Bemina-Habak	132	2	10.30	
14	Bemina-Zainakote	132	2	9.50	
15	Zainakote -Sazgaripora	132	2	10.85	
16	USHP-II-Habak	132	2	24.70	
17	Awantipora-Lassipora	132	1	24.70	
18	Ganderbal-Badampora	132	2	8.50	
19	LILO Sheeri (From Zoogiyar)	132	2	1.50	
	LILO of CSTL at Tethar	132	2	0.70	
	LILO of PCTL at Khanmoh	132	2	3.60	
<b>A</b>	<b>220 KV DC Transmission Line= 100.00 KMs</b>				
<b>B1</b>	<b>132 KV DC Transmission Line= 319.00 KMs</b>				
<b>B2</b>	<b>132 KV SC Transmission Line= 95.70 KMs</b>				
<b>Under Construction Transmission Lines</b>					
	Wagoora-Mir Bazar	220	2	52.00	
1	wagoora-Budgam-Zainakote	220	2	30.30	
2	Zainakote-Amargarh	220	2	42.50	
3	Zainakote-Alusteng	220	2	50.00	
4	Alusteng-Mirbazar	220	2	77.00	
5	Arampora-Vilgam	132	1	18.40	
6	Pattan-Magam	132	2	7.06	
7	Budgam-Bemina	132	2	14.25	
8	Budgam-Rawalpora	132	2	12.40	
9	Lassipora-Shopian	132	2	15.00	
10	Badampora -Bandipora	132	2	34.00	
11	Sagam (Lissar) transmision line	132	2	13.00	
<b>A</b>	<b>220 KV DC Transmission Line= 251.80 KMs</b>				
<b>B1</b>	<b>132 KV DC Transmission Line= 95.710 KMs</b>				
<b>B2</b>	<b>132 KV SC Transmission Line= 18.40 KMs</b>				

# POWER MAP OF JAMMU PROVINCE



## LEGEND

S.NO.	PARTICULARS	EXISTING	PRIORITY - I	PRIORITY - II	LINE PROPOSED (LIVE OTHER THAN HPMR)
1.	400 KV TRANS. LINE				
2.	220 KV TRANS. LINE				
3.	132 KV TRANS. LINE				
4.	POWER HOUSE				

SUPERINTENDING ENGINEER  
SYSTEM AND OPERATION, CIRCLE-II  
JAMMU.

CHIEF ENGINEER  
SYSTEM & OPERATION,  
FIELD OFFICE, JAMMU.

To Pathankot

