



PUNJAB STATE TRANSMISSION CORPORATION LTD.

Regd. Off: PSEB Head Office The Mall Patiala-147001

Corporate Identity No : U40109PB2010SGC033814

O/o SE/Plg. & Commn., M: 96461-18769, www.pstcl.org

E-mail: se-planning@pstcl.org, ase-ts8@pstcl.org

EXPRESSION OF INTEREST

Expression of Interest is hereby floated for Supply, Erection, Testing and Commissioning of Optical Fibers (OPGW) along with its Terminal Equipment on 132/220/400kV Transmission Lines of PSTCL System & Subsequent Leasing of its spare Fibers against EOI No. 03/Comm(D) dated 28.12.2018. EOI document may be downloaded from PSTCL e-tendering web site **<http://eproc.punjab.gov.in/nicgep/app>**. Interested firms may apply on above said website only. **Last date & time for receipt of EOI: 08.02.2019, 12:00 Hrs**

Opening date & Time of EOI: 12.02.2019, 12:00 Hrs.

SE/Plg. & Commn.,
PSTCL, Patiala



Expression of Interest
for Supply, Erection, Testing and Commissioning of Optical
Fibres along with its Terminal Equipment of OPGW on
132kV/220kV/400kV Transmission Lines of PSTCL System
& Subsequent Leasing of its spare Optical Fibres

By
Punjab State Transmission Corporation Limited
Registered Office: The Mall, Patiala-147001
www.pstcl.org

EOI NO. : 03/Comm(D), dated 28.12.2018

Website:
<http://www.eproc.punjab.gov.in/nicgep/app>

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SECTION I- EXPRESSION OF INTEREST

Expression of Interest for Supply, Erection, Testing and Commissioning of Optical Fibres along with its Terminal Equipment of OPGW on 132kV/220kV/400kV Transmission Lines of PSTCL System & Subsequent Leasing of its spare Optical Fibres.

1.0 INTRODUCTION:

PUNJAB STATE TRANSMISSION CORPORATION LIMITED (PSTCL) is one of the Dynamic State Transmission Utility in the country was incorporated in April 2010 under the Companies Act, 1956 as a company wholly owned by the Government of Punjab to undertake the business of transmission and wheeling of electricity in the State. The registered office of the Company is situated at Patiala, its project and field units are spread all over the State.

PSTCL has already installed OPGW (24 Fibres) under its various ULDC Projects for internal communication systems. Now PSTCL intends to expand its OPGW system by adding 2100 km OPGW on existing transmission lines.

2.0 Intent of EoI:

Tentative project cost is Rs. 66 crore approx. PSTCL will contribute 50% amount of total project i.e. Rs. 33 crore and simultaneously PSTCL is exploring the means to raise remaining 50% funds i.e. Rs. 33 Crore from prospective firms/bidders on **BOM (Build, operate and maintain)** model/system which has provision of incurring expenditure of remaining 50% amount (other than PSDF grant) by any Private entity towards complete execution of said project i.e Supply, Erection, Testing & Commissioning of subject cited project and in lieu of that, the firm/qualified bidder will be given 6 to 8 pairs of OPGW on lease for a period 20-25 years for commercial use exclusively, who will also up-keep (Operate & Maintain) the proposed build-up system of OPGW on 132kV/220kV/400kV Transmission Lines to be accomplished under said scheme.

Any firm(s) /bidder(s) /Joint Venture(s) interested to incur expenditure upto 50% (i.e. approx. Rs. 33 crore) of total project cost for executing the entire project on turnkey basis and may lease the spare fibres subsequently. However PSTCL will remain owner of OPGW/infrastructure and other allied indoor/outdoor equipments for all intents and purposes. Moreover, prospective bidder/firm must possess requisite statutory license/approval as per DoT guidelines. Also, no O&M charges will be paid by PSTCL to the firm to whom said assets of OPGW are to be given on lease for 20-25 years.

3.0 Expression of Interest (EoI):

PSTCL hereby invites applications for Expression of interest from interested parties who wish to spend 50% amount of total project cost and after completion of project, firm may utilize the spare 6 or 8 fibres on commercial (as passive infrastructure) basis. Applicants shall ensure that they meet the Eligibility Criteria as defined at Para 4.0 and Qualifying requirements as defined in Para 5.0 below.

The application shall be submitted strictly as per PSTCL format along with relevant supporting documents in support of meeting Eligibility Criteria. PSTCL will consider the applications for suitability in line with the terms and conditions brought out here under and shortlist the bidders based on the information provided by them vide this Expression of interest.

PSTCL may call the parties who have submitted their Expression of Interest for a pre bid discussions regarding the terms & conditions for above said proposal, if any, and to comply to the

queries of the applicants. Finally commercial and price bids shall be invited from the shortlisted bidders on terms and conditions finalized by PSTCL. Applicants finally selected based on the bidding process will be invited to enter into definitive Commercial Agreement to this effect. **Leasing of fibres shall be through a Lease Agreement to be signed between the Party, hereinafter referred to as Lessee and PSTCL.**

4.0 Eligibility Criteria:

This Invitation for Proposals issued by the PSTCL is open to all firms including company(ies), Government owned Enterprises registered and incorporated in India as per Companies Act, 1956 or 2013.

5.0 Qualifying Requirement and documents to be submitted along with EoI :

Qualification of bidder will be based on meeting the qualifying criteria specified below regarding bidder's commercial and technical credibility.

The bidders are required to furnish the following documents (commercial & technical) to assess the capacity and capability of the bidder.

5.1 Commercial

- i) Certificate of incorporation.
- ii) Service tax registration certificate.
- iii) Audited balance sheet and profit & loss account for last three financial year starting from 2014-15.
- iv) Copy of PAN.

5.2 Technical

- i) The bidder must be a Internet Service Provider/ Telecom operator /any Other Company having own telecom network and possess a statutory valid Telecom License/ Permission/ Registration certificate/ clearance from the concerned Licensing Authority i.e. Dept of Telecom, Govt. of India for the intended telecom business envisaged by utilizing PSTCL spare optical fibres. Bidder has to submit document in support of the same.
- ii) The bidder has to furnish document in support of experience in providing telecom services of having telecom network for its own use.

6.0 Statutory clearances and approvals etc. required for setting up the project shall be taken up by the Service providers at their own risk and cost.

7.0 Service providers shall develop, finance, design, construct, own, maintain, operate and repair the telecom infrastructure established by them under the project. This would include assets such as Termination Equipment (SDH/PDH), Networking Equipment and Associated Cabling (including earthing) as well as the related infrastructure such as shed, DG Set, Battery bank, Air conditioning and telecom equipment etc. PSTCL shall have no role in this.

8.0 General information and Terms & Conditions:-

General information and terms & conditions regarding lease of spare dark fibres of OPGW are enclosed herewith in **section-II**.

9.0 List of PSTCL's OPGW Lines:-

The list of OPGW lines and list of sub-stations have been provided in **Section-IV and Section-V** respectively.

10.0 Schedule of Activities:-

PSTCL invites Expression of Interest from experienced parties for the subject EoI. The completed Expression of Interest shall be received up to _____.2019. The details of Qualifying Requirements are mentioned at Para 5.0 above. Any updates to the EOI Document shall be uploaded on our website only. The interested applicants are requested to ensure that all updates are considered while submitting the EOI.

11.0 Time Frame

Time Period for accomplishment/commissioning of entire project shall not exceed 36 months from date of work order issued by PSTCL.

12.0 Contact Officer:-

All correspondence, clarification and submission of Expression of Interest documents shall be addressed to:-

SE/Plg. & Comm., Room No.503, 5thFloor ,
Punjab State Transmission Corporation Limited
The Mall, Patiala-147001
Tel- 0175-2205502, Fax -0175-2205502
Mob No. 96461-18769

On expiry of EOI date, only selected parties who have submitted EoI shall be intimated for a pre-bid meeting on scheduled date & time for finalization of terms & condition and bid documents.

**SE/Plg. & Comm.,
PSTCL, Patiala.**

SECTION-II- GENERAL INFORMATION AND TERMS & CONDITIONS

- 1.0 List of OPGW Lines proposed for above said proposal and its leasing is enclosed along with length in Kms & respective sub-stations.
- 2.0 Fibres shall be leased for a 20 to 25 years and subsequently lease can be renewed as per mutually agreed terms and conditions for a further period.
- 3.0 Lessee should have valid license and should fulfil all statutory requirements for utilization of these OPGW fibres.
- 4.0 OPGW fibres shall be leased on as is where is basis.
- 5.0 Space of suitable area will be provided for construction of shelter/kiosk by the Lessee for erection of shed for housing of indoor equipment. Providing shelter, watch and ward shall be at the cost & responsibility of Lessee.
- 6.0 DC supply be arranged/provided by Lessee. For AC supply Lessee shall take connection from DISCOM.
- 7.0 Mutually agreed percentage of leasing charges shall be payable as Security deposit. Lessee shall pay lease charges on annual basis in advance with applicable taxes to the Lessor.
- 8.0 Routine maintenance of the fibres shall be to the Lessee's account.
- 9.0 No sub-contracting is permitted by the PSTCL.
- 10.0 There shall be restricted entry to the PSTCL premises. Identity cards for two of the personnel of the Operator shall be issued for the maintenance of their equipment. However during construction of the room and installation of their equipment temporary passes shall be issued by the concerned SSE/PSTCL.
- 11.0 On completion of lease period, Lessee shall withdraw all installations and hand over the site in clear condition.
- 12.0 Lessee shall obtain no dues certificate from Lessor on completion of Lease period.
- 13.0 These terms are proposed terms by PSTCL. However, intended users are free to suggest modification/change/propose new terms which may be considered by PSTCL before inviting bids for leasing of spare fibres.
- 14.0 O&M * of the entire assets /equipments thus supplied, erected, tested and commissioned will be carried out by the lessee for the leased period/years. Such O&M includes not only assets leased out to the bidder but also those PSTCL will not pay any O&M charges. (*It includes O&M of not only leased out assets of OPGW or terminal equipments to the bidder but also O&M of those assets/equipments to be retained by PSTCL for its own use)
- 15.0 Lessee must maintain SLA (Service level agreement) of OPGW network and other allied equipments > 99% , failing which penalty will be imposed by PSTCL on the firm with whom lease contract has been signed.

Note: The terms and conditions stated above are not final and subject to change or pre bid meeting to be convened after expiry of the EOI date. Tender/EMD Cost for said EOI is exempted for all.

SECTION-III : APPLICATION AND SCHEDULES

To

SE/Plg. & Comm.,
PSTCL, Patiala.

Sub:- Expression of Interest for Supply, Erection, Testing and Commissioning of Optical Fibres along with its Terminal Equipment of OPGW on 132kV/220kV/400kV Transmission Lines of PSTCL System & Subsequent Leasing of its spare Optical Fibres.

Dear Sir,

1.0 Having examined the document "Expression of Interest for **Supply, Erection, Testing and Commissioning of Optical Fibres along with its Terminal Equipment of OPGW on 132kV/220kV/400kV Transmission Lines of PSTCL System & Subsequent Leasing of its spare Optical Fibres**". I the undersigned, express my interest for the same.

2.0 In line with the requirements of "Expression of Interest", I submit herewith the following information / data / documents:

A. Application format:

1.	Name of the firm	
2.	Full Address Telephone No. Fax No. Contact Person and Mobile No. E-mail	
3.	Purpose of Leasing	
4. (a)	Interested for leasing all length of fibre?	Yes/No
(b)	If not, length of fibre (portion wise) interested for lease	
5.	Service Tax no. submitted?	Yes/No
6.	Copy of MoU and Articles of Association attached?	Yes/No
7.	Internet Service License/Telecom License/ permission/ clearance from the concerned Licensing Authority i.e. Dept of Telecom, Govt. of India attached?	Yes/No
8.	Area/circle where telecom services is being currently provided by the party	
9.	Certificate in support of experience submitted	Yes/No
10.	Balance sheets for last three Financial years submitted	Yes/No

For and on behalf of bidder company
(Signature of Authorised representative)

SECTION-IV LIST OF OPGW LENGTHS

Sr. No.	Line Name		Line Rating	Length (in KM)
	From	To		
1	Sarna	Gurdaspur	132 KV	30
2	Gurdaspur	Dhariwal	132 KV	20
3	Dhariwal	Batala	132 KV	19
4	Batala	Jaintipur	132 KV	17
5	Jaintipur	Verka	132 KV	20
6	Batala	Kathunagal	132 KV	22
7	Verka	Jandialaguru	132KV	20
8	Verpal	Tarantaran	132 KV	15
9	Tarantaran	Ekalgada	132 KV	10
10	Verpal	Hakima Gate, Amritsar	132 KV	10
11	Naraingarh	Civil Line	132 KV	15
12	Sultanpur	Kheramandir	132 KV	15
13	RC	Kapurthala	132 KV	5
14	BBMB, Jalandhar	Alawalpur	132 KV	13
15	BBMB, Jalandhar	Khanpur	132 KV	25
16	Bhogpur	Alwalpur	132KV	13
17	Gorayan	Nawasher	132 KV	32
18	Tanda	Mukeriyar	132 KV	60
19	Tanda	Bhogpur	132 KV	15
20	Bhogpur	Hoshiarpur	132 KV	30
21	Jalandhar-1	Nakodar	132 KV	25
22	Nakodar	Kotla Jagan	132 KV	6
23	Hoshiarpur	Chohal	132 KV	11
24	Anadpur Sahib	Nakkian	132 KV	2
25	Ropar	Chamkur Sahib	132 KV	15
26	Guhlal	Mehmoodpur	132 KV	15
27	Mehmoodpur	Doraha	132 KV	8
28	Sihora	Bilaspur	132 KV	15
29	Jamalpur	Swadikalan	132 KV	36
30	IGC Bathinda	Maur	132 KV	53
31	Malout	Abohar	132 KV	30
32	Ferozshah	Talwandi Bhai	132 KV	20
33	Talwandi Bhai	Sosan	132 KV	10
34	Sadiq	Faridkot	132 KV	20
35	Muktsar	Kotkapura	132 KV	35
36	Muktsar	Srai Nagar	132 KV	13
37	Srai Nagar	Panj Gr.	132 KV	25
38	Muktsar	Jalalabad	132 KV	34
39	Bangan	Phagwara	132 KV	20
40	Dharamkot	Moga	132 KV	40
41	Gholian Kalan	Moga	132 KV	10
42	Samad Bhai	Gholian Kalan	132 KV	40

43	Phagwara	Jalandhar - I	132 KV	25
44	Asron	GGSSSTP, Ropar	132 KV	20
45	Beas	Buttari	132 KV	15
46	Bhikhiwind	Patti	132 KV	20
47	Dhalleke	22 0 KV Moga	132 KV	10
48	Focal Point Jalandhar	220 KV Jalandhar- 1	132 KV	8
49	G.T. Road Asr	Malmandi	132 KV	2
50	Kangra	Pathankot	132 KV	65
51	Mamoon	Pathankot	132 KV	7
52	Nakodar	Kotla Jangan	132 KV	6
53	Power Colony, Amritsar	Civil Line Amritsar	132 KV	6
54	Phillaur	Jamalpur	132 KV	20
55	Sakatri Bagh	Hakima Gate	132 KV	2
56	Seh	Samashpur	132 KV	6
57	Badni Kalan	220 KV Moga	132 KV	25
58	Nurmahal	132 KV Nakodar	132 KV	15
59	Srai Nagar	Kotkapura 2	132 KV	10
60	Tangra	Jaindala Guru	132 KV	11
61	Dhilwan	Butari	132 KV	15
62	Kangra	Joginder Nagar	132 KV	40
63	Chohal	Hamirpur	132 KV	5
64	JoginderNagar	Bassi	132 KV	40
65	Patti	Algon	220 KV	20
66	Mehal Kalan	Pakhowal	220 KV	25
67	Malerkotla	Dhuri	220 KV	24
68	400 KV,Dhuri	Nabha	220 KV	20
69	Lehra Mohobat	Himmatpura	220 KV	40
70	Muktsar	Gobhayan	220 KV	40
71	Frerozpur Road, Ludhiana	Humbran	220 KV	9.25
72	Humbran	Lalton Kalan	220 KV	16
73	Badshahpur	LILo Point	220 KV	2.5
74	Bawanigarh	Focal Point, Nabha	220 KV	20.8
75	Banur	LILo Point	220 KV	10
76	Bassi Pathana	Gobindgarh I	220 KV	23
77	Chhajli	Bangan	220 KV	50
78	Fazilka	400 KV Muktsar	220 KV	30
79	Ikolaha	LILo Point	220 KV	15
80	Majra	LILo Point	220 KV	10.6
81	Botianwala	Goindwal Sahib	220 KV	40
82	400kV Dhuri	220kV Dhuri	220 KV	15
83	400kV Nakodar	220kV Ladowal	220 KV	20
84	Devigarh	Bahdurgarh	220 KV	15
85	Sandhaur	LILo Point-IN	220 KV	3.8
86	Sandhaur	LILo Point-OUT	220 KV	3.9

87	400kV Makhu	Algaon	220 KV	30
88	Gobindgarh-2	Bhari	220 KV	25
89	Science City	Kanjli	220kV	25
90	400kV Dhuri	400kV Talwandi Sabo	400KV	90
91	400kV Talwandi Sabo	400 KV Muktsar	400 KV	100
92	400kV Nakodar	400kV Rajpura Thermal	400KV	140
Total Length (in KM)				2125.45

SECTION-V LIST OF SUBSTATIONS

Sr No	Name of Substation	Voltage Level
1	Asron	132 KV
2	Banga	132 KV
3	Batala	132 KV
4	Beas	132 KV
5	Bhikhiwind	132 KV
6	Bhogpur	132 KV
7	Chamkaur Sahib	132 KV
8	Chohal	132 KV
9	Dhalleke	132 KV
10	Dhariwal	132 KV
11	Dhilwan	132 KV
12	Ekalgadda	132 KV
13	Faridkot	132 KV
14	Ferozshah	132 KV
15	Focal Point Jalandhar	132 KV
16	Gholiankalan	132 KV
17	Gurdaspur	132 KV
18	G.T. Road Asr	132 KV
19	Hakima Gate	132 KV
20	Jallalabad	132 KV
21	Jandiala Guru	132 KV
22	Kangra	132 KV
23	Kathunangal	132 KV
24	Khera Mandir	132 KV
25	Kotkapura-1	132 KV
26	Kahanpur	132 KV
27	Kotkapura-2	132 KV
28	Mamoon	132 KV
29	Nakkian	132 KV
30	Nakodar	132 KV
31	Nawanshahar	132 KV
32	P.Colony ASR	132 KV
33	Pakharpura/ JyantiPur	132 KV
34	Panjgraian	132 KV
35	Phagwara	132 KV
36	Phillaur	132 KV
37	Sakatri Bagh	132 KV
38	Samadh Bhai	132 KV
39	Sarainaga	132 KV
40	Sihora	132 KV
41	Sheh	132 KV
42	Sosan	132 KV
43	Swadi Kalan	132 KV

44	Tanda	132 KV
45	Tangra	132 KV
46	TarnTaran	132 KV
47	Urban Estate Phase II	132 KV
48	Joginder Nagar	132 KV
49	Bassi	132 KV
50	Hamirpur	132 KV
51	Abohar	220 KV
52	Ajitwal	220 KV
53	Algon	220 KV
54	Alawalpur	220 KV
55	Badshahpur	220 KV
56	Badni Kalan	220 KV
57	Bawanigarh	220 KV
58	Bajakhana	220 KV
59	Banur	220 KV
60	Bassi Pathana	220 KV
61	Chhajli	220 KV
62	Devirgarh	220 KV
63	Dhandari Kalan-II	220 KV
64	Dharamkot	220 KV
65	Dhuri	220 KV
66	Fazilka	220 KV
67	Fzr. Rd. Ludhiana	220 KV
68	Ghubaya	220 KV
69	Gobindgarh-IV	220 KV
70	Himatpura	220 KV
71	Humbran	220 KV
72	Hoshiarpur	220 KV
73	Ikolaha	220 KV
74	Kanjli	220 KV
75	Kotli Suratmali	220 KV
76	Mehal Kalan	220 KV
77	Majra	220 KV
78	Maur	220 KV
79	Naraingarh	220 KV
80	Nurmahal	220 KV
81	Sandhaur	220 KV
82	Sherpur	220 KV
83	Talwandi Sabo	400 KV
84	Muktsar	400 KV