
Expression of Interest (EOI)
for
Creation, Operation & Maintenance and Utilization of
BharatNet Network under PPP Mode

January 2020

Government of India
Ministry of Communications
Department of Telecommunications
Universal Service Obligation Fund

Sanchar Bhawan
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New Delhi- 110001

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Assignment Title: Creation, Operation & Maintenance and Utilization of BharatNet Network under PPP Mode

EoI No.: DDG (Spl. Proj.)/USOF/DoT/PPP/EoI/01 **Dated:** 27th January 2020

BharatNet Project (initially National Optical Fibre Network) is a project to create network to connect 2,50,000 Gram Panchayats (GPs) by broadband. This project is under implementation and the infrastructure created is a national asset, accessible on a non-discriminatory basis to the service providers. The project aims to provide affordable broadband services to citizens and institutions in rural and remote areas, in partnership with the States and the private sector towards realization of the vision of 'Digital India'.

It has been decided to invite Private Sector Partners (PSPs) to undertake the implementation, upgradation, Operation & Maintenance and Utilization of the BharatNet network under the Public Private Partnerships (PPP) model for the remaining network as well as the existing network which has been created and is under operation & maintenance and utilization. M/s Deloitte Touche Tohmatsu India LLP has been engaged as Transaction Advisor.

The work for BharatNet has been carried out in Phase-I & Phase-II wherein Phase I, the connectivity was provided by laying incremental fibre from Fibre Point of Interconnect (FPOI - between Block and the GP) for Block to GP connectivity. In case of Phase II, which is presently under implementation, OFC is being laid from Blocks to GPs in various models. The status of the network as in January 2020 is as follows:

Phase-I: As on date, approximately 3 Lakh KM OFC has been laid connecting about 1,19,000 GPs.

Phase-II: Different models such as State-led model, Private-led model and CPSU-led model, are under implementation in Phase-II which are in different levels of implementation.

- The states covered under State-led model are Jharkhand, Orissa, Gujarat, Chhattisgarh, Andhra Pradesh, Maharashtra, Tamil Nadu & Telangana
- The states covered under Private-led model are Punjab & Bihar, which is being done by BBNL
- The states covered under CPSU-led model in EPC or non-EPC mode are Himachal Pradesh, Uttarakhand, Rajasthan, UP(West), UP(East), Madhya Pradesh, West Bengal & Sikkim
- The states where work was pending in Phase-I or Phase-II work was not started are the areas of Assam & North East (Arunachal, Meghalaya, Mizoram, Manipur, Nagaland and Tripura)
- The states which were completed in Phase-I are the states/ UTs of Kerala, Karnataka, Haryana, Puducherry, Dadra Nagar Haveli, Daman & Diu.

In view of above, the prospective work modules for the PSPs have been divided as below:

- **Creation** – To build network infrastructure to connect GPs to Blocks
- **Operation & Maintenance** – To operate and maintain the existing and the newly deployed network infrastructure
- **Utilization** – To ensure and manage utilization of deployed capacity across the network infrastructure in a non-discriminatory manner.

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The scope of work for various states in respect of modules mentioned above, is noted below:

S.N	States/Circles	Scope		
		Creation	O&M	Utilization
1.	Assam, NE-1 (Meghalaya, Mizoram, Tripura) & NE-2 (Arunachal Pradesh, Manipur, Nagaland)	✓	✓	✓
2.	Kerala, Karnataka, Haryana, Puducherry, Dadra and Nagar Haveli, Daman and Diu		✓	✓
3.	Punjab, Bihar			✓
4.	Himachal Pradesh, Uttarakhand, Rajasthan, UP(W), UP(E), Madhya Pradesh, West Bengal, Sikkim	✓	✓	✓

The states covered under the State-Led model, UT of Jammu & Kashmir, Andaman & Nicobar Islands and Lakshadweep have been excluded from the scope of this EoI. This scope of work is subject to change at the discretion of the authority.

Each State/ Circle will be a package. A bidder might have the opportunity to bid for multiple packages. A limit will be set to the number of packages that can be awarded to a single bidder. The authority intends to engage the services of firms and solicit their suggestions for the aforementioned scope of work. Firms may give suggestions regarding potential association with other firms in the form of a joint venture/consortium or a sub-consultancy.

Approach and methodology is requested as part of response to this EoI regarding various network topologies, types of equipment, expected revenue streams, last mile architecture, outcome-based PPP models, VGF demand structuring, etc. over a tentative 25 years lease period. The details for the same shall be limited to 20 pages.

In addition to the above, firms must furnish the following information:

1. Brief presentation of the enterprise(s) including turnover, years in business, etc.
2. Information indicating their experience in performing similar assignments.
3. Proposed PPP model for creation, upgradation, operations & maintenance and utilization modules for a package.
4. Firm/ Company contact information (full name and address, country, telephone and fax numbers, email address, website)
5. Contact person information (name, designation, address for communication, email address, telephone number).

Any queries related to this EoI may be submitted latest by **6th February 2020** and Expressions of Interest by **10th February 2020** through e-mail to 'director-t2-usof@gov.in' [with CC to 'deepak.chanduka@gov.in', rabirla@deloitte.com].

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