



Ircon International Limited

(A Govt. of India Undertaking)

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CIN: L45203DL1976GOI008171

Expression of Interest

August 2021

Expression of Interest from IP1 licensee Indian firms having Experience in Cellular Mobile Service and Willing to Associate with IRCON for Provision of Cellular Mobile Coverage (3G/4G/5G) in Tunnels of Banihal - Arpinchala - Sumber - Sangaldan Section of USBRL Project in Firozpur Division of Northern Railway.

EOI No: IRCON/S&T/1014/J&K /EOI/2021/ 01, Date 26.08.2021

(IRCON reserves the right to cancel this request for EOI and / or invite afresh with or without amendments to this request for EOI, without liability or any obligation for such request for EOI and without assigning any reason. Information provided at this stage is indicative and IRCON reserves its right to amend / add further details in the EOI document.)

Contact: Clarifications, if any, can be had from Mr. MK Sharma, DGM(S&T) through email at mahendra.sharma@ircon.org or mohan.chahar@ircon.org or Ph: +919596753771

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1.0 Introduction:

IRCON INTERNATIONAL LIMITED (IRCON), a Government company incorporated by the Government of India (Ministry of Railways) under the Company's Act, 1956 on 28th April, 1976, is the leading turnkey construction company known for its quality, commitment and consistency in terms of performance.

2.0 CALL FOR EXPRESSION OF INTEREST

- a. **Ircon International limited** are constructing Jammu – Srinagar – Baramulla rail line, having multiple tunnels of lengths up to 13 km length on Katra to Banihal section. Details of Tunnels are as under:
 1. Length of Main Tunnels: 48 Km
 2. Length of Escape Tunnels: 47 Km
 3. Length of Adit, Cross Passage etc.: 5.65 Km
- b. **Expression of Interest (EOI)** are invited from IP1 license holding Indian Companies, willing to associate with IRCON to provide telecom infrastructure to enable commercial cellular mobile services inside above tunnels on Banihal - Arpinchala - Sumber - Sangaldan sub-section of Udhampur Srinagar Baramulla Rail Line (USBRL) section of Firozpur Division of Northern Railway.
- c. Tentative BOQ of the work is given at Annexure V. Firms are free to modify the tentative BOQ at Annexure-V or prepare their own BOQ to enable cellular coverage inside tunnels. The final BOQ used by the firms to arrive at the cost of work will have to be shared with IRCON.
- d. The firms are requested to express their willingness to execute the work. Quotes for the work at 2(b) above, and yearly license fee for use of mobile services inside tunnels for Nine years, as in the case of DMRC, shall be asked from shortlisted firms.
- e. Instructions for submission of the expression of interest are enclosed at Annexure-I and guidelines for the preparation for the expression of interest is enclosed at Annex-II. Interested Companies should fill up the enclosed expression of interest form (Annex-III) and submit together with a Covering Letter so as to reach our office not later than 11.00 hrs. on 20.09.2021 at the following address:

Chief General Manager/S&T,
Ircon International Ltd
C-4, District Center, Saket, **New Delhi,**
Pin: 110 017, INDIA



Annex-I

3.0 Instructions for submission of expression of Interest Statement.

1. Expression of Interest proposal must be submitted together with a covering Letter not later than **11.00 hrs. on 20.09.2021.**
2. Clarifications, if any can be had from Mr. MK Sharma, DGM(S&T) through email at mahendra.sharma@ircon.org or mohan.chahar@ircon.org or Ph: +919596753771
3. All applications shall be submitted in English.
4. The completed forms with all documents may be sent by email to: [<mohan.chahar@ircon.org>](mailto:mohan.chahar@ircon.org) copy to [<mahendra.sharma@ircon.org>](mailto:mahendra.sharma@ircon.org) or hard copy at the address of:

**Chief General Manager/S&T
Ircan International Ltd,
C-4, District Center,
Saket, New Delhi,
Pin No: 110 017, INDIA**

Annex-II

4.0 GUIDELINES FOR PREPARATION OF EXPRESSION OF INTEREST

1. Expression of Interest is to be filled up in the enclosed forms as per Annexure-III in single copy.
2. Complete name of firm, date of establishment & type of organization whether individual, proprietorship, partnership, private limited company, limited company etc. be filled up in Proforma-I also indicating name of affiliate firms, their years of establishment, countries of origin and type of organization.
3. Exact and complete office address, business address, telephone number, Fax, number, E-mail and cable address.
4. If present firm is the successor to or outgrowth of one or more predecessor firms, fresh name(s) of former entity (ties) and the year(s) of their original establishment.



5.0 EXPRESSION OF INTEREST FORMS

5.1.0 Past Association for similar work is to be marked:

S No	Name of Work	Tick (✓)
1	Indian Railways	
2	DMRC or any other MRTS organization	
3	BSNL	
4	AirTel	
5	Reliance -Jio	
6	Vodafone-Idea	

5.2.0 Financial Position:

a) **Financial details** during the last five years (Copies of Audited Annual report, Accounts or a statement duly certified by a chartered accountant should be enclosed).

Year	Turnover (INR in Crores)	Net Worth (INR in Crores)	PBT (INR in Crores)
2016-17
2017-18
2018-19
2019-20
2020-21

b) **Additional Financial information:**

1. Details of Working Capital limits from Banks.
2. Details of working capital limits utilized.
3. Details of Guarantees/Undertakings given with financial implications.

5.3.0 Following document are required to be submitted with the form of Eoi by the Firms.

SN	Item	Document Format
1	Company Profile	Proforma - I
2	Details of works completed	Proforma - II
3	Details of Major Items of work executed in Last 5 Years	Proforma - III
4	Details of works in hand	Proforma - IV



5.3.1 COMPANY PROFILE

1	Full name of Construction firm.	
2	Date and Year of establishment & type of organization whether individual/ proprietorship/ partnership/ private limited company/ limited company also indicating name of affiliate firms, their years of establishment, countries of origin and type of organization.	
3.	Registered Head Office & Postal Address Telephone Nos., email_id, Fax No etc.	
4.	Name of Contact Person, Designation, Phone no & email id	
5.	Constitution of firm (give full details including names of Directors/Partners/Executives etc.) Attach Memorandum and Articles of the Association, Certificate of Registration & Proof of Address, Copy of Power of Attorney.	
6.	Particulars of Registration with Government / Semi-Govt. Organization/Public Sector/ Undertaking & Local Bodies etc. if any	

Proforma - II

5.3.2 DETAILS OF PROJECTS COMPLETED DURING LAST FIVE YEARS

Sl. No	Description of work	Contract awarding authority / Name of Country	Agreement No. & Date	Cost of Work	Date of commencement of work	Date of completion as per agreement	Actual date of completion	Remarks

Note: Completion certificate to be attached.



Proforma – III

5.3.2.1 Quantities executed for major items of work in last five years

S. No	Description of Item	Details of Work & Agreement No.	Unit	2016-17	2017-18	2018-19	2019-20	2020-21
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

Proforma - IV

5.3.3. DETAILS OF PROJECTS IN HAND

Sl. No	Description of work	Contract Awarding Authority/ Country	Agreement No. & Date	Cost of work	Date of Commencement of work	Date of Completion as per agreement	%age progress of work	Remarks

Note: Letter of Award from authority concerned/employer to be attached.





Annexure-IV

6.0 AFFIDAVIT (On Company's Letter Head)

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s _____ nor any of its constituent partners have abandoned any work on Government Organization **nor** any contract awarded to us for such works have been rescinded **nor** our firm not blacklisted/banned by any other company/country **nor** no lawsuits are pending against our firm / the list of details of pending lawsuits are enclosed herewith **nor** our firm has indulged in any corrupt/ fraudulent practices.
3. The undersigned hereby authorize(s) any bank person/firm or corporation to furnish pertinent information deemed necessary and requested by IRCON to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understands & agree that further information may be requested and agrees to furnish any such information at the request of IRCON.

(Signed by the authorized Officer of the firm)

Title of officer

Name of firm

Date



Annexure V							
Schedule:- Providing Shared Cellular Mobile Coverage (3G/4G/5G) System in Tunnel Section of Banihal-Arpinchala-Sumber -Sangaldan Section (3 Stations) on Udampur – Srinagar - Baramulla Rail section of Firozpur Division of Northern Railway							
Supply of Equipment / Materials - Cellular system							
S. No	Description of Item	Unit	T-74R, 77, 78 & c-n-c	T-49	T-43 to 48	T-15 & T-14	Total Qty
Radio Re-Broadcast System Components & Fiber Optic Backbone							
1	Optical Digital Master Unit (with 8 F/O Cards) for Converting RF Signal into Optical Signals for transfer inside the tunnel	Nos	4	4	4	4	16
2	Optical Digital Remote Unit (Bi-Directional Amplifier) inside the Tunnel over Leaky / Radiating Cables for 850 / 900 / 1800 / 2100 / 2300 MHZ	Nos	26	26	35	27	114
3	Network Monitoring System	Nos	1	1	1	1	4
4	Optical Fiber Cable (in FRLS-OH Jacket). This is 48 Core Armoured OF Cable for Transmission back	KM	22	22	30	22	96
5	HDPE Duct for OF Cable routing between Tunnels in open space and bridges	KM	2	2	3	2	9
6	Optical Junction Boxes	Nos	30	30	40	30	130
7	19"Equipment 27U Rack for installation of head end units in Operation Command Centre / Telecomm	Nos	4	4	5	4	17
8	10 Mtrs SC/APC to SC/PC SM Simplex (as supplied by OEM)	Nos	30	30	40	30	130
9	5 Mtrs SC/PC to SC/PC (as supplied by OEM)	Nos	50	50	67	50	217
RF & Radiating Cable & Connector Requirements							
1	1 5/8 LCX cable	KM	22	26	28	26	102
2	NM connector for LCX Cable	Nos	70	71	94	72	307
3	NF connector for LCX Cable	Nos	70	71	94	72	307
4	SS Clamp for LCX Cable	Nos	25,820	26026	33840	26050	111736
5	PP Clamp for LCX Cable	Nos	0	0	0	0	0
6	1/2 RF Cable	KM	2	2	3	2	9
7	NM Connector for 1/2" RF cable	Nos	40	40	54	42	176
8	NF connector for 1/2" RF Cable	Nos	40	40	54	42	176
Cross band couplers, Dividers, Directional couplers, RF terminations and RF							
1	2 way splitter	Nos	50	50	67	52	219
2	4 way splitter	Nos	25	25	34	27	111
3	Combiners	Nos	40	40	54	42	176
4	100 Watt Load	Nos	30	30	40	32	132
5	Jumper cables	Nos	50	50	67	52	219
Antennas / Handover Systems							
1	Omni antennas	Nos	40	40	54	42	176
2	Panel Antenna	Nos	25	25	34	27	111
3	14 dBi High Gain Panel Antenna	Nos	10	10	13	10	43
Installation Services of Equipment / Materials - Cellular system							
1	System Architecture Design & Documentation- Includes project management, interfacing and client discussion on formalising design document / Freight & Transportation of materials from warehouse to site / Design document submission and in-principle approval support with client / consultant/ Interfacing with client / user for work permits/ arranging necessary Health, Safety & Environment (EHS) approvals for manpower etc. / Project Reporting & Documentation.	Lump sum	1	1	1	1	4
2	Laying and Termination of Optical Fiber Cables With Labeling with antenna and component and accessories including a. OTDR Testing b. Plying in HDPE Duct to allow for the routing alongside Tracks for termination in Junction Boxes	KM	22	22	30	23	97
3	Installation of Master unit for Re-broadcast. Also includes installation & configuration of Network Management System	Nos	4	4	5	4	17
4	Installation of Remote Optical unit inside Tunnel with Commissioning testing, programming Product testing before imports at Factory to ensure compliances for all points related to Tender.	Nos	26	26	35	27	114
5	Laying of 1 5/8 LCX Cable With Labeling with antenna and components, including installation of High-Speed Accessories Kit.	Mtr	21.51	22	29	23	96
6	Laying of RF cable With Labeling with antenna and component and accessories required for commissioning of system.	KM	2	2	3	2	9
7	Acceptance Testing with Client and User. Scope includes Testing with client/ user/ consultant, preparation of As-Built Report and submission of final Design Document, Submission of product manuals and training and testing documentation	Lump sum	1	1	1	1	4
8	Planned Drawings and As-Built Drawings submissions in CAD latest version and hard copy submission 06 copies in A3 size minimum.	Lump sum	1	1	1	1	4