



## **BID DOCUMENT**

**E-TENDER/ EOI FOR**

**SUPPLY OF FIBRE G652D FOR OFC PROJECT THROUGH LRC (Long Range Contract of 03 years) AS PER TECHNICAL SPECIFICATION MENTIONED IN BID DOCUMENT.**

**EOI / TENDER NO-** ETW18D1457RL **DATED** 28/04/2022

***DUE DATE: 28/05/2022 17:00Hrs***

***Last date for Bid Clarification by bidders: - up to 17/05/2022***

***Respond to Bid Clarification by ITI: - 20/05/2022***

***Technical Bid Open: - 30/05/2022@ 11:00 Hrs***

***Chief Manager (PPM)***

**ITI LIMITED**

**(A Government of India Undertaking)**

**Sultanpur Road, RAE BARELI-229010 (U.P)**

**Visit us at [www.itiltd-india.com](http://www.itiltd-india.com)**

# ITI LIMITED

(A GOVT. OF INDIA UNDER TAKING)

SULTANPUR ROAD, RAE BARELI -229010 (UP) INDIA

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**EOI/TENDER NO. ETW18D1460RL**

**EOI/ TENDER DATE: 28/04/2022**

*(Please quote this in all correspondence)*

**EOI DUE DATE : 28/05/2022**

ITI Limited Raebareli has setup OFC manufacturing Units recently and is all set to cater the BBNL, Bharat Net, ADSS, and ASCON Phase IV requirements of Govt of India. Accordingly there will be continuous bulk requirement of SINGLE MODE OPTICAL FIBRE G-652D NATURAL COLOUR for years to come.

Expression of interest is being floated for meeting the requirement of SINGLE MODE OPTICAL FIBRE G-652D NATURAL COLOUR from the CACT approved indigenous sources / CACT approved sources on mutually agreed terms & conditions through long term agreement(LRC- Long Range Contract)/MOU initially for three years which may be extended to five years.

Interested parties may send their offers in two sealed envelopes containing Technical & Commercial details separately

ON BEHALF OF ITI LIMITED, RAEBARELI, E-TENDERS ARE INVITED FROM THE ELIGIBLE BIDDER AS PER BID DOCUMENT'S, SPECIAL NOTES, TERMS & CONDITIONS AND ITEM DESCRIPTION, QTY & DELIVERY SCHEDULE AS GIVEN BELOW:

## **TENDER INFORMATION**

SN	Item Description / Scope of work	Qty. KM	Delivery Reqtd.
1-	<b>SUPPLY OF FIBRE G652D</b> Item codes:-ORM-FBRG652D-000, <b>On fixed price for Long Range Contract of 03 Years</b>	2182500	AS AND WHEN REQUIRE D

**Note-**Material should confirm the BSNL GR No-TEC/GR/TX/ORM-001/05 DEC-17 and its latest amendment.

### **1- E-tendering Instructions to Bidders:**

Submission of Bids shall be only through e-tendering process on <https://itilimited.euniwizarde.com> which is mandatory for this Tender.

### **2- Stages of Tenders-**

Tender Type: Two bids i.e., Technical and Financial Bids shall be submitted by the bidder at the same time on the above mentioned tendering portal.

### **Note:**

It is advised that all the documents to be submitted are kept scanned or converted to PDF format in a separate folder on your computer before online submission. Price Bid (Excel Format) may be downloaded and rates may be filled appropriately. For any portal related issues contact: Mr. Abhishek Mob: 9355030617.

### **3-Validity of Bid / offer-**

Bid and offer shall remain valid for **Long Range i.e. for 3 Years**.

### **4- Offer Evaluation:** The evaluation of the offers will be carried out in two steps :

a) First the Eligibility of offer will be evaluated and Vendors who comply with eligibility criteria would be selected and would be declared eligible.

b) In second step the Commercial offer of the eligible vendors (as per step 4(a)) would be evaluated and vendor would be selected on L1 basis

5- As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises (MSEs) and the firms registered with concerned Ministries/ Departments are exempted from submission of Bid Security/EMD. Instead bidders have to submit duly signed "Bid Security Declaration" accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents.

6- Please quote the basic rate exclusive of GST and other Taxes (i.e. mention basic rate, GST, freight, taxes separately). Also confirm that documents will be issued for claiming CENVAT.

7-Any product found faulty during our manufacturing process /in field due to deviation from our specifications shall be replaced by vendor free of cost immediately.

8- Last date of Clarification: - The last date of seeking any clarification regarding bid is 17/05/2022.

9- **Award of Contract:** After completing evaluation and selection of vendor based on the offer and further negotiations, if any, **ITI LIMITED ,RAEBARELI** shall enter into a Memorandum of Understanding with the vendor.

10- **Authorized Signatory:** All certificates and documents received as part of the offer shall be signed by the Authorized Representative. The power of authorization or any other document consisting of adequate proof

11- Last date of Clarification: - The last date of seeking any clarification regarding bid is 17/05/2022.

12- **Cost of EOI:** The vendor shall bear all costs associated with the preparation and submission of its EOI, including cost of presentation for the purposes of clarification of the offer, if so desired by the **ITI LIMITED ,RAEBARELI**.

**ITI LIMITED ,RAEBARELI** will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the EOI process.

13- Price variation clause applicable for Fibre:

**(A) Factors for consideration**

- CRU (Commodity Research Unit) report published on-line time to time (once in every two months) on "Spot Fibre Price Ranges" in world market shall be considered as base. CRU report is accessible on-line to members only.
- Reported spot fibre price ranges for Single mode fibre in US\$/Km indicated for Ch+ Developing countries shall be considered with minimum price of the range.
- For supply from any Indian Vendor at any time by Tax Invoice of a particular date, the base price of fibre will be considered as per latest month CRU report at that time.
- Dollar exchange rate shall be considered as on previous working day of Tax Invoice date and source of information shall be from RBI Reference Rate Archive indicated in NSE site [www.nseindia.com](http://www.nseindia.com).
- Price variation (increase/decrease) compensation will be applicable only if variation in base price is more than 5%. If variation is more than 5%, then total variation will be compensated. GST will be applicable as per prevailing Govt. policy.

**(B) Sample calculation:**

- As on 31-03-2022, CRU Report(collected from known sources) indicates Standard Single mode (Fibre G652D) spot fibre price for March'22. Range 5.10 US\$ to 6,85 US\$ applicable for Ch+ Developing countries.
- Dollar rate as on 01-04-2022, 1 US\$ = Rs. 74.529 (Source Exchange Rate site [www.torfx.com](http://www.torfx.com) )

(3)

Based on above, Base Price : Rs. 5.10 X 74.529 i.e. Rs.380.10(Approx.) per Km.

Considering base price as above, vendor need to quote their price in below table.

Basic price in Rs./Km		GST & its associated cess, if any, Extra			Total Price in Rs. / Km
Base Price	Quoted price *	%	Amount in Rs.	HSN Code	
380.10					

\*Quoted price shall include all other charges including transportation except GST and its associated cess, if any.

Any increase/decrease in base price at the time of supply, the same will be implemented as below subject to variation (increase/decrease) in base price is more than 5%:

Basic Price applicable as on date of supply (considered for Tax Invoice)  
= ( PO Basic Price X Base price as on date of supply) / 380.10.

### **Essential Eligibility Criteria for the Bidders**

1. The Bidders must possess valid CACT certificate for the item, at the time of participation in the tender.
2. Bidders must be ready to provide verifiable Test certificate at the time of supply.
3. Bidders must be ready to submit leaflet/datasheet/brochure/CACT certificate etc. along with quotation.
4. Bidders must confirm specification strictly as per our Bid Document & Technical Specification which is a part of this bid, in your quotation.
5. Any product found faulty during our manufacturing process / system testing / shall be replaced by vendor free of cost immediately.
6. Bidders should mention their Profile like Name of Firm, Office & Work Address, Fax, Phone, Email ID, Contact Person, Category of Firm (Small/Medium/Large, Dealer, Distributor & Manufacturer etc), Company Registration No., Year of establishment.
7. Bidders should provide their company's Income Tax Permanent A/C No., TIN No., GSTIN No., audited balance sheets, GST returns ,Bid Security ,PO copies of tendered items supplied to others etc.
8. The packing, unpacking, loading and unloading of items shall be done by the bidder at their Expense.
9. **The bidder has to share the details of Test lab wherein the Raw material can be tested / witnessed as per TEC GR or customer specifications .**
10. **Payment Terms:**  
LC 60 days.
11. **Terms of Price:** FOR ITI Limited Rae Bareli **in case of Indigenous and CIF will be in case of Import**
12. **Amendment of EOI:** At any time prior to the last date for receipt of offers, **ITI LIMITED ,RAEBARELI**, may, for any reason, whether at its own in ITI Limited ,Raebareli or in response to a clarification requested by a prospective vendor, modify the EOI document by an amendment. In order to provide prospective vendor reasonable time in which to take the amendment into account in preparing their offers, **ITI LIMITED ,RAEBARELI** may, at their discretion, extend the last date for the receipt of offers and/or make other changes in the requirements set out in the Invitation for EOI.
13. **Disclaimer:** **ITI LIMITED ,RAEBARELI** and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of **ITI LIMITED ,RAEBARELI** and/or any of its officers, employees.
- 14 As per govt. norms, while making payment 2.5 Lacs & above, 2% GST TDS will be deducted
- 15 As turnover of ITI is more than 10 Cr. every year, Bidder/Seller shall not claim any TCS from us.
- 16 As per IT rule 194Q, ITI shall deduct IT TDS @0.1% for gross purchases over 50 Lacs from seller..
- 17 The above enquiry is also available on the website [www.itilttd.in](http://www.itilttd.in), [www.eprocure.gov.in](http://www.eprocure.gov.in) for view purpose and for participation & submission on <https://itilimited.euniwizarde.com> only.
- 18 In case of Import material , Bill of entry will be field in favor of ITI LTD , Raebareli .

- 19 All suits shall be instituted in a court of competent jurisdiction at Raebareli and in case of arbitration, \the Indian Arbitration Act,1996 is applicable
- 20 ITI Ltd, Raebareli without prejudice to any other remedy for breach of contract, by written notice of default, sent to bidder, terminate this contract in whole or in part, if bidder fails to deliver any or all of the goods within the time period, specified in the contract satisfactorily.
- 21 ITI Ltd, Raebareli reserve the right to accept or reject any bid, and to annul the bidding process, at any time prior to award of contract without assigning any reason what so ever and without there by incurring any liability to the affected bidder or bidders. ITI Ltd, Raebareli also reserve the right to decrease the quantity to be procured against this tender.
- 22 If bidder is MSME industry, latest certificate must be provided along with the quotation indicating the class i.e. Women/SC, ST etc.

### **23 Tender Processing, Opening & Evaluation:**

- (a) Pre Bid meeting will be organized for clarification of all tender points .
- (b) Technical Bid will be opened online at 11:00 Hrs on 30/05/2022.
- (c) Price Bids of only those bidders found technically fulfilling the eligibility conditions and found technically acceptable shall be opened on line on a date to be intimated later.
- (d) Complete sets of NIT documents( List given at (e) below) in Original form must be duly signed using sign-in process and digital signature by the bidder on each page of the tender documents as a token of having accepted its contents. Power of Attorney has to be provided in case, the tender documents are signed by an authorized representative.
- (e) List Of NIT documents/Check List:-**
- Bid Document(Bid Documents\_1460RL) - ORM G652D.
  - Bid Security Declaration
  - Integrity Pact
  - Price bid format.
- 24 ITI reserves the right to reject any or all the tenders without assigning any reason thereof.
- 25 Tender in which any of the particulars and prescribed information is missing or are incomplete in any respect, are liable to berejected.
- 26 Canvassing of any kind is strictly prohibited and the tender submitted by the bidderwho resorts to canvassing is liable for rejection.
- 27 No part of the tender document shall be removed or altered and the whole set as mentioned thereof, must be submitted after being duly filled in and submitted using sign in process and digital signature. Failure to comply with these instructions may result in the rejection of the tender.
- 28 The bidder should quote for the entire Scope of Work.
- 29 The Request for Quotation with its all enclosures and annexures shall form integral part of the contract / PO.

### **OTHER TERMS:**

#### **1. STATUTORY LEVIES:**

- a. All applicable statutory levies like GST etc. should be separately indicated with the current rate applicable. Otherwise rate quoted will be deemed as inclusive of taxes / levies. Vague terms like "As applicable at the time of supply" should be avoided. Apart from statutory levies other charges like handling, P&F etc., will not be paid by us.
- b. In case of GST exempted delivery, authorization letter from the competent authority should be enclosed along with the quote.
- c. In case of statutory levies like GST, Surcharge etc., are modified the same has to be intimated to ITI immediately.

#### **2. MODVAT RELIEF:**

- a. We are eligible to avail the credit of GST paid on items procured for manufacturing Tele-communication equipment's under GST RELIEF scheme. Hence "Invoice Cum Gate Pass" in original for payment, and transporter copy duly marked and authenticated is to be produced along with the consignment. In case of your failing to adhere to this instruction, no GST will be reimbursed by us.
- b. Invoices should be in the prescribed form and have all particulars as per GST Rules and notifications as amended from time to time,
- c. Agents/Distributors, on whom an order is placed should also produce Invoice Cum Gate Pass as per the procedure laid down by GSTRules and notifications issued from time to time. They should get registered with GST authorities where GST is being passed on.

#### **4. INSPECTION:**

Inspection of the material at our works will be final. ITI reserves the right to inspect the material at any other standard testing center authorized by us.

**5. GENERAL:**

- a. We reserve the right to accept or reject any or all offers and to order full or part quantities or cancellation thereof without assigning any reason whatsoever.
- b. Successful tenderer only will be intimated by post through/letter/mail of intent/firm orders.
- c. Canvassing by tenderers in any form including un-solicited letters against tenders submitted or post-tender corrections shall render their tenders liable for summary rejection.

**6. DELIVERY SCHEDULE:**

Shipments must be made strictly as per the indicated delivery schedule in the purchase order.

**7. Liquidated Damages Clause:**

Time is the essence of contract and the materials, against an order arising out of this enquiry must be delivered by the supplier according to the delivery schedule indicated in the P.O. In case of any change, the supplier should inform us in advance and obtain our approval to the revised delivery schedule. Should the supplier fail to deliver the material or part thereof as per the delivery schedule, or any extension thereof, we shall be entitled at our option either to recover from the supplier, as penalty, a sum equivalent to ½% (half percent) per week for first four weeks and 0.7% per week thereafter for such delay or part thereof or terminate the contract in respect of the balance supply so delayed and purchase materials elsewhere at the risk and cost of the defaulting supplier.

**8 LOCAL REPRESENTATION:**

Please indicate your local representative's address, telephone, Fax No., E-mail Id, the person to be contacted, in the offer.

**9 TECHNICAL CATALOGUE:**

In the event of any change in the technical catalogue, updated version may be sent to us immediately. It is essential that you simultaneously take up the same with approving authority and their approval copy sent to us.

**10. GOVERNING LAW:**

All suits shall be instituted in a court of competent jurisdiction at Rae Bareli and in case of arbitration, the Indian Arbitration Act, 1996 is applicable.

11. In case of any ambiguity in the bid, decision of ITI Limited Management shall be final.

**Chief Manager (PPM)**  
ITI Limited Raebareli  
Sultanpur Road, Raebareli -(U. P. )-229010

## INTEGRITY PACT

PURCHASE ORDER No.

THIS Integrity Pact is made on.....day of .....20 .

### **BETWEEN:**

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore – 560 016 and established under the Ministry of Communications, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall also include its successors and assigns) ON THE ONE PART

### **AND:**

..... represented by ..... Chief Executive Officer (hereinafter called the Contractor(s), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the contractor ON THE SECOND PART.

### **Preamble**

WHEREAS the Principal intends to award, under laid down organizational procedures, contract for ..... of ITI Limited. The Principal, values full compliance with all relevant laws of the land, regulations, economic use of resources and of fairness/ transparency in its relations with its Contractor(s).

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will **monitor** the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

**NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:**

### **SECTION 1 – COMMITMENTS OF THE PRINCIPAL**

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

- a. No employee of the Principal, personally or through family members, will in connection with the tender for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled to.
- b. The Principal will, during the tender process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder(s) the same information and will not provide to any bidder(s) confidential/additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons.

- 1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Act if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

## **SECTION 2 – COMMITMENTS OF THE BIDDER/CONTRACTOR**

- 2.1 The Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the tender process and during the execution of the contract.
- a. The contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
  - b. The contractor(s) will not enter with other contractors into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
  - c. The contractor(s) will not commit any offence under IPC/PC Act, further the contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d. The Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the Bidder(s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.
  - e. The Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.
  - f. The Contractor(s) will not bring any outside influence and Govt bodies directly or indirectly on the bidding process in furtherance to his bid.
  - g. The Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

## **SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS**

- 3.1 If the Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify Contractor(s) from the tender process.
- 3.2 If the Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled to exclude including blacklisting for future contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the



transgressor within the company hierarchy of the Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.

- 3.3 The Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.
- 3.4 A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.
- 3.5 The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the Bidder(s)/ Contractor(s) shall be final and binding on the Bidder(s)/ Contractor(s), however the Bidder(s)/ Contractor(s) can approach IEM(s) appointed for the purpose of this Pact.
- 3.6 On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact Bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.
- 3.7 subject to full satisfaction of the Principal, the exclusion of the Contractor(s) could be revoked by the Principal if the Contractor(s) can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption preventative system in his organization.

#### **SECTION 4 – PREVIOUS TRANSGRESSION**

- 4.1 The Contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/ transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.
- 4.2 If the Contractor(s) makes incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section- 5 of this Pact.

#### **SECTION 5 – COMPENSATION FOR DAMAGE**

- 5.1 If the Principal has disqualified the Bidder(s)/Contractor(s) from the tender process prior to the award according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.
- 5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

#### **SECTION 6 – EQUAL TREATMENT OF ALL BIDDERS/CONTRACTORS**

- 6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.

- 6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its sub-contractor(s)/sub-vendor(s)/associate(s), if any, and to submit the same to the Principal along with the tender document/contract before signing the contract. The Bidder(s)/Contractor(s) shall be responsible for any violation(s) of the provisions laid down in the Integrity Pact Agreement by any of its sub-contractors/sub-vendors/associates.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this Integrity Pact or violate its provisions.

#### **SECTION 7 – CRIMINAL CHARGES AGAINST VIOLATING BIDDER(S)/ CONTRACTOR(S)**

- 7.1 If the Principal receives any information of conduct of a Contractor(s) or sub-contractor/sub-vendor/associates of the Contractor(s) which constitutes corruption or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer of the Principal for appropriate action.

#### **SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)**

- 8.1 The Principal appoints competent and credible Independent External Monitor(s) for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this pact.
- 8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.
- 8.3 The Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the Contractor(s). The Bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to treat the information and documents Contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the Contractor(s). As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.
- 8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within a reasonable time from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8.6 If the Monitor has reported to the Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the Principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- 8.7 The word '**Monitor**' would include both singular and plural.

8.8 Details of the Independent External Monitor appointed by the Principal at present is furnished below: -

Shri Javeed Ahmad, IPS (retd.)  
M-1101, Shalimar Gallant Apartment  
VigyanpuriMahanagar  
LUCKNOW – 226 006

Any changes to the same as required / desired by statutory authorities is applicable.

#### **SECTION 9 – FACILITATION OF INVESTIGATION**

9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the Bidder(s)/Contractor(s) and the Bidder(s)/Contractor(s) shall provide necessary information and documents in English and shall extend all help to the Principal for the purpose of verification of the documents.

#### **SECTION 10 – LAW AND JURISDICTION**

10.1 The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall the seat of the Principal.

10.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

#### **SECTION 11 – PACT DURATION**

11.1 This Pact begins when both the parties have legally signed it. It expires after 12 months on completion of the warranty/guarantee period of the project / work awarded, to the fullest satisfaction of the Principal.

11.2 If the Contractor(s) is unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the Contractor(s).

11.3 If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/determined by the Chairman and Managing Director of the Principal.

#### **SECTION 12 – OTHER PROVISIONS**

12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate Office of the Principal at Bengaluru.

12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.

12.3 If the Contractor(s) or a partnership, the pact must be signed by all consortium members and partners.

12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12.5 Any disputes/ difference arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with this Pact or interpretation thereof shall not be subject to any Arbitration.

12.5 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

In witness whereof the parties have signed and executed this Pact date fiat the place and rst done mentioned in the presence of the witnesses:

For PRINCIPAL

For CONTRACTOR(S)

.....  
(Name & Designation)

(Name & Designation)

Witness

Witness

1) ..... 1).....

2) ..... 2).....

## SECTION - I

(TYPE –III)

### GENERIC REQUIREMENTS FOR SINGLE MODE OPTICAL FIBRE

(As per ITU-T Rec. G. 656)

1.0 The Non-Zero dispersion Optical Fibre used in manufacturing Non-Zero dispersion optical Fibre Cables shall be as per ITU-T Rec. G 656. The detailed specifications of optical fibre are mentioned below.

1.1 Type of fibre : Non-Zero dispersion Optical Fibre Optimized for wideband optical transport conforming to ITU-T Rec. G. 656

1.2 Geometrical Characteristics:

1.2.1 MFD at 1550nm :  $9.2 \pm 0.5 \mu\text{m}$

1.2.2 Cladding Diameter :  $125 \mu\text{m} \pm 0.7 \mu\text{m}$

1.2.3 Cladding Non-circularity :  $\leq 1\%$

1.2.4 Core Clad concentricity error :  $\leq 0.5 \mu\text{m}$

1.2.5 Diameter over primary coated with double UV cured acrylate. :  $242 \mu\text{m} \pm 5 \mu\text{m}$

**Note:** The thickness of colour coating may be over and above the values specified above, if the manufacturer adopts separate UV cured colouring process (to colour the uncoloured fibres) other than the on line integrated colouring process (of secondary layer of primary coating) of the fibres, during fibre manufacturing

1.2.6 Colored fibre coating diameter :  $252 \pm 10 \mu\text{m}$

1.2.7 Coating / Cladding Concentricity :  $\leq 12 \mu\text{m}$

### 1.3 Transmission Characteristics:

#### 1.3.1 Attenuation

##### a) Fibre attenuation before cabling

- i) 1460 nm – 1525 nm :  $\leq 0.26 \text{ dB / Km}$
- ii) 1525 nm - 1565 nm :  $\leq 0.22 \text{ dB / Km}$
- iii) 1565 nm - 1625 nm :  $\leq 0.24 \text{ dB / Km}$
- iv) 1550 nm :  $\leq 0.21 \text{ dB / Km}$
- v) 1625 nm :  $\leq 0.24 \text{ dB / Km}$

##### b) Fibre attenuation after cabling

- i) 1460 nm :  $\leq 0.28 \text{ dB / Km}$
- ii) 1550 nm :  $\leq 0.24 \text{ dB / Km}$
- iii) 1625 nm :  $\leq 0.26 \text{ dB / Km}$

**Note:**

1. Sudden irregularity in attenuation at 1550 nm shall be  $\leq 0.05 \text{ dB}$ .
2. The Spectral attenuation shall be measured on un-cabled fibre in the 1460nm-1625 nm band an interval of 10nm and the test results shall be submitted.

1.3.2 Attenuation coefficient at water peak :  $\leq 0.4 \text{ dB/Km}$   
(at  $1383 \pm 3 \text{ nm}$ )

1.3.3 Cable Cut off wavelength  $\lambda_{\text{cc}}$  : 1450 nm Max.

### 1.3.4 Chromatic Dispersion

a) Chromatic Dispersion Coefficient in 1460 nm-1550 nm band:

- i)  $\lambda_{\min}$  &  $\lambda_{\max}$  : 1460 nm & 1550 nm
- ii) Minimum Value of  $D_{\min}$  : 1.0 ps/nm. Km
- iii) Maximum Value of  $D_{\max}$  : 9.28 ps/nm.km
- iv) Sign : Positive

b) Chromatic Dispersion Coefficient in 1550 nm -1625 nm band:

- i)  $\lambda_{\min}$  &  $\lambda_{\max}$  : 1550 nm & 1625 nm
- ii) Minimum Value of  $D_{\min}$  : 3.6 ps/nm. Km
- iii) Maximum Value of  $D_{\max}$  : 14.0 ps/nm. Km
- iv) Sign : Positive

**Note:** The Chromatic Dispersion Coefficient values in 1460 -1625 nm band stated in (b) above shall be reviewed as and when ITU-T approves the values and makes it final.

### 1.3.5 Polarization mode dispersion

- i) Un-cabled fibre (Individual Fibre) :  $\leq 0.15$  ps/  $\sqrt{\text{km}}$
- ii) Cabled Fibre :  $\leq 0.3$  ps/  $\sqrt{\text{km}}$
- iii) Link design value of PMD :  $\leq 0.2$  ps/  $\sqrt{\text{km}}$

**Note:** The link PMD value shall be calculated as per the guide lines issued vide Appendix– I of ITU-T G.656 (07/2010) and as per IEC 60794 – 3 Ed. 3. Optical Fibre cables – Part 3 Sectional Specification – Outdoor and subsequent visions, if any. This is to be calculated on minimum 40 cable sections in 400 Km link.

- 1.3.6 Dispersion Slope at 1550nm :  $\leq 0.07$  ps/(nm<sup>2</sup>.Km)

## 1.4 Mechanical Characteristics

1.4.1 Proof test for minimum strain level : 1 %  
(Test method IEC-60793-1-30)

1.4.2 Stripability force to remove primary coating of the Un-aged and Aged fibre  
(Water aged and Damp heat aged): (Test method IEC-60793-1-32)

a) Peak strip force :  $1 \leq F \leq 8.9\text{N}$

b) Average strip force :  $1 \leq F \leq 5\text{N}$

**Note:** The force required to remove  $30\text{ mm} \pm 3\text{ mm}$  of the fibre coating shall not exceed  $8.9\text{ N}$  and shall not be less than  $1\text{N}$ .

1.4.3 Dynamic Tensile Strength (Test method IEC-60793-1-31)

a) Unaged :  $\geq 550\text{ KPSI (3.80GPa)}$

b) Aged (Damp heat aged) :  $\geq 440\text{KPSI (3.00GPa)}$

1.4.4 Dynamic Fatigue

(Test method IEC- 60793 – 1-33)

a) Un-aged :  $\leq 20$

b) Aged (Damp heat aged) :  $\leq 20$

1.4.5 Fibre Macro bend

(Test method FOTP – 62/ IEC- 60793 - 1-47)

a) Change in attenuation when fibre is coiled :  $\leq 0.05\text{ dB at }1550\text{nm}$   
with 100 turns on  $60 \pm 1.0\text{ mm}$  radius mandrel  $\leq 0.1\text{ dB at }1625\text{nm}$

b) Change in attenuation when fibre is coiled :  $\leq 0.5\text{ dB at }1550\text{nm}$   
with 1 turn around  $32 \pm 0.5\text{ mm}$  diameter  $\leq 0.5\text{ dB at }1625\text{nm}$   
mandrel

1.4.6 Fibre Curl (Test method as per IEC 60793-1-34):  $\geq 4\text{ meters radius of Curvature}$



## 1.5 Material Properties:

### 1.5.1 Fibre Materials:

a) The substances of which the fibres are made : To be indicated by the manufacturer

b) Protective material requirement:

i) The physical and chemical properties of the material used for the fibre primary coating and for single jacket fibre. : It shall meet the requirement of fibre stripping force as per clause No. 1.4.2

ii) The best way of removing protective coating material. : To be indicated by the manufacturer

c) Group refractive Index of fibre : To be indicated by the manufacturer

**Note:** The manufacturer shall indicate the variation in group refractive index of fibre during bulk production.

d) Fibre materials shall be RoHS (Restriction of Hazardous Substance) complied.

## 1.6 Environmental Characteristic of Fibre (Type Test):

### 1.6.1 Operating Temperature

(Test Method IEC – 60793 – 1-52)

Temperature Dependence of Attenuation : - 60° C to +85° C

Induced Attenuation at 1550nm & 1625nm at -60°C to +85°C : ≤ 0.05 dB/km

#### 1.6.2 Temperature – Humidity Cycling

(Test method EIA/TIA-455-73)

Induced Attenuation at 1550nm & 1625nm at  $-10^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$  and 95% relative humidity. :  $\leq 0.05$  dB/km

#### 1.6.3 Water Immersion $23^{\circ}\text{C}$

(Test method IEC- 60793 – 1 -53)

Induced Attenuation at 1550 nm & 1625nm due to Water Immersion at  $23 \pm 2^{\circ}\text{C}$  :  $\leq 0.05$  dB/km

#### 1.6.4 Accelerated Aging (Temperature) $85^{\circ}\text{C}$

(Test method IEC- 60793 – 1- 51)

Induced Attenuation at 1550 nm & 1625nm due to Temperature Aging at  $85 \pm 2^{\circ}\text{C}$  :  $\leq 0.05$ dB/km

#### 1.6.5 Retention of Coating Color

(Test method IEC- 60793 – 1 - 51)

Coated Fibre shall show no discernible change in color when aged for relative humidity : 30 days at  $85^{\circ}\text{C}$  with 95% humidity and then 20 days in  $85^{\circ}\text{C}$  dry heat.

#### 1.6.6 High Temperature and High Humidity (Damp Heat)

(Test Method IEC 60793-2-50)

Induced attenuation at 1550nm & 1625nm at  $85^{\circ}\text{C}$  and 85% Relative Humidity for 30 days :  $\leq 0.05$  dB/km

## 1.7 Colour Qualification and Primary coating Test:

### 1.7.1 Colour Qualification Test:

#### a. MEK Rub Test (Methyle Ethyl Ketone):

To be tested by using soaked (Solvent) tissue paper for ten strokes unidirectional on 10 cm length of fibre. No colour traces shall be observed on the tissue paper after testing.

#### b. Water immersion Test (Type Test):

To be tested for coloured fibre for 30 days. After the test Colour qualification, Attenuation measurement & Stripability test are to be taken.

### 1.7.2 Primary coating Test (Type Test) :

#### a) Fourier Transform Infrared Spectroscopy (FTIR) Test:

To be tested to check the curing level of coating on the surface of natural fibre. The curing level shall be better than 90%.

#### b) Adhesion Test:

To be tested by using soaked (Solvent) tissue paper for ten strokes unidirectional on 10 cm length of fibre. No coating shall be observed on the tissue paper after testing.

**Annexure-III**

**Bid Securing Declaration Form**

<Letterhead of the bidder>

<Date>

To ITI LIMITED RAEBARELI,  
SULTANPUR ROAD, RAEBARELI-229010

I/We. The undersigned, declare that:

I/We understand that bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you/ MeitY for a period of two years from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity or its extended period, if any; or

b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or reuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Bank Guarantee, in accordance with the Instructions to Bidders.

c) If the bidder is found indulging in any corrupt, fraudulent or other malpractice in respect of the bid; or

d) If there is a discrepancy between words and figures quoted by the bidder and the bidder does not accept that the amount in words prevails over amount in figure.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our Bid.

Signed: (insert signature of person whose name and capacity are shown)

in the capacity of (insert legal capacity of person signing the Bid Securing Declaration)

Name: (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on \_\_\_\_\_ day of \_\_\_\_\_ (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a consortium, the Bid Securing Declaration must be in the name of all partners to the consortium that submits the bid)



**ITI LIMITED**  
**(A Government of India Undertaking)**  
**Sultanpur Road, RAE BARELI-229010 (U.P)**

TENDER(ETW18D1457RL)Fibre G652 D AS PER MENTIONED IN BID DOCUMENT LRC(Long Range Contract of 03 years) .

Name of Firm

**Price Bid format for Fibre G652 D**

**A Offer for Supply of Fibre G652 D**

SI	Details of the Items	HSN Code	Qty Reqd in (Km)	Basic Unit Price (in Rs.) (2)	Total Price (in Rs.) (3=1*2)	GST %	Total Price (in Rs.) (with GST)
1	SUPPLY OF FIBRE G652D Item codes:-ORM-FBRG652D-000, ,On fixed price for Long Range Contract of 03 Years		2182500		0		0
2	<b>Total Price</b>						0
3	Terms of Price	FOR ITI Raebareli					
4	Payment Terms	LC 60 Days					
5	Delivery schedule:-	As And When Reqd.					
6	Validity of offer	Long Range i.e for 3 Year					
<b>Note-</b>	Any deviation from above format shall be liable for rejection of the bid						

