

बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	13-02-2026 14:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	13-02-2026 14:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Ministry Of Petroleum And Natural Gas
विभाग का नाम / Department Name	Na
संगठन का नाम / Organisation Name	Hindustan Petroleum Corporation Ltd
कार्यालय का नाम / Office Name	Petroleum House
कुल मात्रा / Total Quantity	2
वस्तु श्रेणी / Item Category	OPTICAL FIBER SPLICING MACHINE V
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	SUPPLY OF OPTICAL FIBRE SPLICING MACHINE VDS
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Ribbon Optical Fiber Splicing Machine as per TEC Specification, Optical Fibre Splicing Machine (V2) as per TEC 88090:2012, Splice Closure for Optical Fiber Cables (V2) (Suitable For Non-Ribbon Fibre Splicing) As Per TEC Specification, FTTH Drop Cable, Intubation Laryngoscopes for Anesthesia Procedures (V2)
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	<ul style="list-style-type: none"> • Optical Fibre Splicing Machine (V2) as per TEC 88090:2012 • Optical Time Domain Reflectometer (OTDR) • Splice Closure for Optical Fiber Cables (V2) (Suitable For Non-Ribbon Fibre Splicing) As Per TEC Specification
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	1 Lakh (s)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years of Experience and Turnover	No

बिड विवरण/Bid Details	
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Bidder Turnover,Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेन् है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	2
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	No
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

आवश्यकता/Required	No
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ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	ICICI
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	5.00

ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	15
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(a). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

HINDUSTAN PETROLEUM CORPORATION LIMITED
 Petroleum House, NA, Hindustan Petroleum Corporation Ltd, Ministry of Petroleum and Natural Gas
 (Hindustan Petroleum Corporation Limited)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	No
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एमएसई के लिए सक्षम प्राधिकारी का विवरण:/Details of the Competent Authority for MSE

सक्षम प्राधिकारी का नाम/Name of Competent Authority	GM VV SPL
सक्षम प्राधिकारी का पदनाम/Designation of Competent Authority	GM VV SPL
सक्षम प्राधिकारी का कार्यालय/विभाग/प्रभाग/Office / Department / Division of Competent Authority	GM VV SPL
सीए अनुमोदन संख्या/CA Approval Number	23012026
सक्षम प्राधिकारी अनुमोदन तिथि/Competent Authority Approval Date	23-01-2026
सक्षम प्राधिकारी द्वारा प्रदान की गई स्वीकृति का संक्षिप्त विवरण//Brief Description of the Approval Granted by Competent Authority	MII is not applicable as per enclosed ammendment of MII for purchase value less than 1 crore

Competent Authority Approval for not opting Micro and Small Enterprises Preference : [View Document](#)

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

OPTICAL FIBER SPLICING MACHINE V (2 Unit)

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer
Specification Document

[Download](#)

प्रेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	प्रेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Anshul Kumar Gupta	530014,Hindustan Petroleum Corp Ltd. VVSPL, VR-ATP AREA, NAVAL BASE POST, VISAKHAPATNAM - 530014 A.P	2	45

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

5. Generic

Consortium: In case of Contracts, wherein the seller alone does not have necessary expertise, the seller can form consortium with other sellers for submission of the bid, with one of the consortium company as leader. However, each and every member of the consortium shall be equally responsible for the complete execution of the project contract. An undertaking to this effect is to be uploaded with bid.

6. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Generic**

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

8. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

9. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

10. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

SCOPE OF JOB

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1. Supply of Optical Fiber Splicing Machine:

Scope of job includes the supply, Handling, Transportation and Handover of Optical Fiber Splicing Machine at Visakha Dispatch Station as below mentioned address:

VVSPL-Visakhapatnam: Hindustan Petroleum Corp. Ltd

VVSPL - Visakha Dispatch station,

VR-ATP area, NAVAL BASE POST

Visakhapatnam - 530014

Contact person: **Shri Malleswara Rao Chekuri**

Ph.: 9629911675

Email Id : venkata.chekuri@hpcl.in

Contact Person: **Shri Vikram Singh**

Phone No: 8881702111

Email Id: vikramsingh@hpcl.in

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Specifications of Optical Splicing Machine is as per Telecommunication Engineering Centre TEC 88090:2012 under Department of Telecommunications (DOT)

1. **Background:** The Optical Splice Machine is designed to splice fibers by fusing the fibers together using localized heating at the interface of the butted fibers. An electric arc is generated by the electrodes contained in the unit. The splicing consists of fusion cycles resulting in permanent jointing of the optical fibers with minimum splice loss and low reflection.
2. **Functional Requirements:**
 - Ø The instrument shall be designed for continuous operation. The manufacturer shall indicate the period of continuous operation for which it shall be checked.
 - Ø The instrument shall guarantee the satisfactory performance of the instrument without any degradation at an altitude up to 5000 meters above mean sea level. A test certificate from the manufacturer shall be acceptable.
 - Ø The instrument shall have the facility for altitude compensation such that stable splicing can be done even at high altitudes or at low altitude. The method used for the altitude compensation shall be indicated by the manufacturer.
 - Ø Power cord shall have moulded plug.
 - Ø Visual indication to show power ON/OFF status shall be provided.
 - Ø Provision for self-check of the instrument shall be provided.
 - Ø The software/hardware in instrument shall not pose any problem in the normal functioning of the instrument due to changes in date and time caused by events such as leap year etc.
 - Ø The instrument shall provide error message information.
 - Ø All controls shall be clearly marked or labelled with an easy-to-understand symbol or key word to indicate its intended use.
 - Ø It shall have the facility to view the fibres on X-axis and Y-axis before splicing.
 - Ø It shall have the facility of perfusion/pre-arcing for cleansing the fibre before actual splicing.
 - Ø It shall have the facility of assessment of splice loss in dB.
 - Ø It shall have the provision of cover during splicing to avoid the entry of dust and for the safety of operating personal during fusion.
 - Ø The splicing machine shall have an override capability to bypass the automatic controls.
 - Ø It shall have facility for proof testing the strength of fibre joint. The device to test the strength shall be capable of applying a stress of 4.1 Newton's for a minimum period of one second and shall be able to test the strength of the fibre joint
 - Ø It shall have facility for easy replacement & cleaning of electrodes.
 - Ø Marking of the push buttons shall be such that their functions are clear in both the extended and depressed position.
 - Ø It is desirable for the marking on the operating knobs to be done in a raised relief design or with etched and filled characters to enhance the permanence of the identification.
 - Ø It is desirable to have recessed push buttons or touch screen to avoid damage.
 - Ø The manufacturer shall state the minimum requirements for the safe operation of the splicing machine.

- Ø It shall have high frequency AC, tungsten or equivalent electrodes with long life. The manufacturer shall provide the information for the life (number of splices) of a single set of electrodes.
- Ø It shall have arc test function with automatic compensation for easy setting of optimum splice condition
- Ø It shall have facility to illuminate the V-groove for easy setting of fibre.
- Ø It shall have easy operation by splice menu (user friendly) selected on large size monitor.
- Ø It shall be possible for the user to download the information and again the splicer shall be able to store the data from the starting.
- Ø It shall have the facility for viewing fibres in focus.

3. Technical Requirements:

Principle of operation	Direct core monitoring using Profile Alignment
Type of fibres	Direct core monitoring using Profile Alignment
Nominal Cladding diameter	125 ± 1 µm
Fibre coating diameter	a) Primary coated : 245 ± 10 µm b) Secondary coated: 900 ± 50 µm(Tight jacket)
Fibre strip length	16 mm maximum
Operating mode	Auto and Manual Mode
Fibre Alignment	3 Axis alignment capability
Splice Loss for splicing following types of Single Mode fibres at 1310 nm and 1550 nm	<p>Homogeneous: ≤0.03 dB Heterogeneous: ≤0.05 dB</p> <p>Note: 25 samples of both types of fibres shall be spliced and all the samples shall have to meet the following requirements</p> <p>i. The splice loss of 80 % of fibres of homogeneous fibre shall be ≤ 0.03 dB, and of 20 % of the fibres shall be ≤ 0.10 dB.</p> <p>ii. The splice loss of 80 % of fibres of heterogeneous fibre shall be ≤0.05dB, and of 20 % of the fibres shall be ≤ 0.10 dB.</p>

Splice Loss Estimation system	<p>a) The splicing machine shall provide a mean for estimating the splice loss.</p> <p>b) The splice loss estimation device shall not cause damage to the splice or fibre.</p> <p>c) The difference between the estimated loss measured by splicing machine & average loss measured by OTDR shall be within ± 0.02 dB.</p> <p>d) Splice reflectance: better than or equal to 60 dB at 1310 & 1550nm.</p> <p>Note: Splice loss Estimation shall be Optional in Manual Mode</p>
Arc Current adjustment	Auto/Manual adjustable for different fibre type, altitude and temperature
Display Monitor	Minimum 3.5 inches LCD or any equivalent display
Viewing method	CMOS camera
Reinforcement of the splice	<p>By Heat shrinkable sleeve (GR No. TEC/GR/TX/PTS-01/03/JAN-2011)</p> <p>Note: The heat shrinkable sleeve shall not stick to the walls of the heater after specified cooling time</p>
No. of Splice Program	The splicing machine should have sufficient splice programs i.e., min. 40 Factory installed, 50 User program and min. 10 Heating program
Splice Time	≤ 9 Second
Splice Memory	Minimum 2000 splice data
Heater	<p>In-built (For fibre protection sleeve)</p> <p>a) Sleeve length: Up to 60 mm</p> <p>b) Heating time: < 35 Second</p>
Size & Weight	Light & Compact
Interface	USB

Power Supply	<p>a) The instrument shall work from the single-phase AC power supply without any degradation with nominal 230V AC with voltage variation from 150V to 270V at 50Hz \pm 2 Hz.</p> <p>OR</p> <p>The instrument shall work from AC/DC adapter without any degradation with input voltage from 150V to 270V, 50Hz \pm 2Hz AC. The manufacturer shall furnish the output DC voltage of the AC/DC adapter and safe operating input voltage for the instrument.</p> <p>b)The Splicing Machine shall be supplied along with suitable in-built/external rechargeable battery source, capable of working continuously at least for six hours or for 100 splices with heating and shall have charging facilities. Indication of low battery shall be provided and the unit shall be protected against battery reversals.</p> <p>c)The power consumption shall be minimal and its consumption shall be furnished by the manufacturer.</p> <p>d)It shall have External DC input port of 12 Volts for operating the Splicing machine (Optional).</p>
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4. Setting and Adjustment:

The splicing machine shall have facility to pre-program and select the programmes. It shall have the capability of adjusting the fibre parameters and other parameters required for best results. The adjustments shall be available to user by suitable settings:

- a) To allow the joining of homogeneous and heterogeneous fibres from different manufacturers.
- b) To allow the joining of fibres at different altitudes.
- c) To allow the joining of fibres at different humidity conditions.
- d) The manufacturer shall provide the settings for splicing the dissimilar fibre combinations currently available and update of these settings shall be made available for new fibre designs.

Note:

Homogeneous fibre - In homogeneous splicing, the fibre is cut and re-spliced retaining the same orientation.

Heterogeneous fibre - In heterogeneous splicing, the fibres are of the same type but may come from different lots and from different manufactures

It shall have menu driven settings (minimum) for:

- e) Splice mode i.e., Auto, Manual & Arc Test
- f) Electrode Mode i.e., Manual arc
- g) Heater Mode i. e. Selection of type of protection sleeve
- h) Function Mode i.e., Easy function setting menu for operation.
- i) Fibre name mode i.e., Editing fusion program name for each fibre.
- j) Parameter mode i.e., Renewal of parameter settings.

k) Maintenance mode i.e., Menu for maintenance operator.

5. Additional Consumable Items:

The following consumable items shall be supplied along with splicing machine:

- | | | |
|----|---|----------------------------|
| 1. | Electrodes
: | 2 sets (Total four pieces) |
| 2. | Precision Cleaver
: | 1 no. |
| 3. | Primary Coating Stripper
: | 1 no. |
| 4. | Secondary Coating stripper
: | 1 no. |
| 5. | Optical Fibre Protection Sleeves

for Optical Fibre | : 1000 or as per order |
| 6. | Spare Battery
: | One |
| 7. | Brush
: | One |
| 8. | Mid-span Loose tube Cutter
: | One |
| 9. | Any other items required like special tools, etc., for fixing and removing the electrodes and maintenance of the splicing machine, etc. | |

Note: The Stripper for Primary & Secondary Coating, Precision Cleaver and Splice Protection Sleeves supplied along with splicing machine shall meet the TEC GR No. GR/OFT-01/03.APR.2006 (Section-XVII, XVIII & XIX respectively) and TEC/GR/TX/PTS-01/03/JAN-2011 respectively and subsequent amendment issued, if any.

6. Engineering Requirements:

- Ø The instrument shall adopt state of the art technology.

- Ø The instrument shall be light for splicing of aerial and underground cables. The dimensions and weight of the instrument shall be specified by the manufacturer.

- Ø All switches shall be reliable and of standard type to ensure failure free operation

over 1000 on-off operations for switches. This shall be under specified environmental conditions.

- Ø The instrument shall be compact and composite in construction. The mechanical design and construction of each card or unit shall be inherently robust and rigid under all conditions of installation operation, adjustment, replacement, storage and transport and conforming to TEC document no. SD: QM 333 {March 2010} "Standards for Environmental Testing of Telecommunication Equipment".
- Ø The instrument shall have self cooling arrangement including usage of internal fans, if required.
- Ø Important Do's and Don'ts about the operation of the instrument shall be clearly indicated at a convenient place on the instrument.

7. Quality Requirements:

- Ø The manufacturer shall furnish the MTBF and MTTR values and warranty for a period of minimum 1 year with free repair and replacement unless otherwise specified in tender. The minimum value of MTBF shall be 10,000 hrs.
- Ø The instrument shall be manufactured in accordance with international quality standards ISO 9001- 2008 for which the manufacturer should be duly accredited. A quality plan describing the quality assurance system followed by the manufacturer would be required to be submitted by the manufacturer.

8. Environmental Requirements:

- Ø The instrument shall conform to the requirements for Environment specified in TEC document SD: QM-333 (March 2010) "Standards for Environmental Testing of Telecommunication Equipment. The applicable tests shall be for environmental category "B2" including Drop, Topple, Vibration tests (instrument kept in carrying case) and Corrosion test, if applicable.
- Ø The instrument shall be able to work without any degradation in coastal areas & should be protected against corrosion.
- Ø The Splicing machine is required to work in Indoor environments like Central offices, equipment huts and outside environments like manhole, open trench and a splicing van. It is required to work in bright sunlight, poorly lit or dark areas.

9. Maintenance Requirements:

- Ø The instrument shall have facility for power-on self test.
- Ø The instrument shall have easy access for servicing and maintenance.
- Ø All parts used shall be capable of being repaired by the supplier with turnaround time of maximum 2 weeks from the date it is handed over to supplier. If this turnaround time cannot be met then a loaner unit should be provided for the duration of the repair period.

10. Accessories:

- ∅ The supplier shall provide one complete set of:
 - a) All the necessary interfaces, connectors, connecting cables (including power cord) and accessories required for satisfactory and convenient operation of the instrument. Types of connectors, adopters to be used and the accessories of the approved quality shall be clearly indicated in the operating manuals.
 - b) Software (if any), along with software version and the arrangement to load the software at site. Any updating of software shall be supplied free of cost. (Additional sets may be ordered optionally). This upgrade shall be done at the site via internet, if required.

- ∅ Special tools, extender boards, extender cables and accessories essential for installation, operation and maintenance of the instrument shall be clearly indicated and supplied along with the instrument.

- ∅ The source of the components/ accessories, from where these have been procured, is also to be submitted by the manufacturers.

- ∅ Detailed information for components/module accessories used shall be clearly indicated.

11. Documentation:

Technical literature in English language shall be provided. All aspects of installation, operation, maintenance and repair shall be covered in the manuals. The soft copy as well as hard copy of the manuals shall also be provided. The manuals shall include the following:

Installation, operation and maintenance manual - This manual shall include the following in addition to other details:

- a) Safety measures to be observed in handling the Testing Instrument.
- b) Precautions for setting up, measurements and maintenance.
- c) Test equipment required for routine maintenance and calibration including their procedures.
- d) Illustration of internal and external mechanical parts.

- e) The detailed description about the operation of the software used in the equipment including its configuration procedure, installation, loading and debugging etc.

12. Protection Requirements:

- ∅ The instrument panel shall have a terminal for grounding the chassis, if required.

- ∅ The plug-in units, if provided, shall have suitable protection to allow their removal/insertion while the instrument is in energized condition.

- ∅ Protection against short circuit and open circuit in the accessible points for measurement.

ements shall be provided.

- Ø All switches and controls on front panel shall have suitable safeguards against accidental operation.
- Ø The instrument shall be adequately safeguarded to prevent entry of dust, insects and lizards.

13. Safety requirements:

- Ø The operating personnel should be protected against shock hazards as per IS 8437 {1993} "Guide on the effects of current passing through the human body" [equivalent to IEC publication 60479-1 {1984}]
- Ø The instrument shall conform to the relevant clauses of the IEC 61010-1(2001) with corrigendum 1 (2002) and corrigendum 2 (2003) "Safety requirements for Electrical Equipment for Measurement, Control and laboratory use"

14. Electromagnetic Compatibility (EMC) Requirements: - The equipment shall conform to the EMC requirements as per the following standards and limits indicated therein. A test certificate and test report shall be furnished from an accredited test agency.

i. Conducted and radiated emission:

Name of EMC Standard: "CISPR 11 {2004}- Industrial, scientific and medical (ISM) radio-frequency equipment-Electromagnetic disturbance characteristics- Limits and methods of measurement"

Limits:

1. To comply with the category of Group 1 of Class A of CISPR 11 {2004}
2. The values of limits shall be as per clause No. 8.5.2 of TEC Standard No. TEC/EMI/TEL-001/01/FEB-09.

ii. Immunity to Electrostatic discharge:

Name of EMC Standard: IEC 61000-4-2 {2001} "Testing and measurement techniques of Electrostatic discharge immunity test".

Limits:

1. Contact discharge level 2 {± 4 kV} or higher voltage;
2. Air discharge level 3 {± 8 kV} or higher voltage;

iii. Immunity to radiated RF:

Name of EMC Standard: IEC 61000-4-3 (2006) "Testing and measurement techniques

-Radiated RF Electromagnetic Field Immunity test"

Limits: -

Under Test level 2 {Test field strength of 3 V/m} for general purposes in frequency range 80 MHz to 1000 MHz

iv. Immunity to fast transients (burst):

Name of EMC Standard: IEC 61000- 4- 4 {2004} "Testing and measurement techniques of electrical fast transients/burst immunity test"

Limits: -

Test Level 2 i.e., a) 1 kV for AC/DC power lines; b) 0.5 kV for signal / control / data / tel ecom lines;

v. Immunity to surges:

Name of EMC Standard: IEC 61000-4-5 (2005) "Testing & Measurement techniques for Surge immunity test"

Limits:-

For mains power input ports: (a)1.0 kV peak open circuit voltage for line to ground coupling (b) 0.5 kV peak open circuit voltage for line to line coupling

vi. Immunity to voltage dips & short interruptions:

Name of EMC Standard: IEC 61000-4-11 (2004) "Testing & measurement techniques- voltage dips, short interruptions and voltage variations immunity tests"

Limits:-

1. a voltage dip corresponding to a reduction of the supply voltage of 30% for 500ms (i.e. 70 % supply voltage for 500 ms)
2. a voltage dip corresponding to a reduction of the supply voltage of 60% for 200ms (i.e. 40% supply voltage for 200ms)
3. a voltage interruption corresponding to a reduction of supply voltage of > 95% for 5s.

Note 1: The test agency for EMC tests shall be an accredited agency and details of accreditation shall be submitted.

Note 2:For checking compliance with the above EMC requirements, the method of measurements shall be in accordance with TEC Standard No. TEC/EMI/TEL- 001/01/FEB-09 and the references mentioned therein unless otherwise specified specifically. Alternatively, corresponding relevant Euro Norms of the above IEC/CISPR standards are also acceptable

e subject to the condition that frequency range and test level are met as per above mentioned sub clauses (a) to (f) and TEC Standard No. TEC/EMI/TEL-001/01/FEB-09. The details of IEC/CISPR and their corresponding Euro Norms are as follows:

IEC/CISPR	Euro Norm
CISPR 11	EN55011
IEC 61000-4-2	EN61000-4-2
IEC 61000-4-3	EN61000-4-3
IEC 61000-4-4	EN61000-4-4
IEC 61000-4-5	EN61000-4-5
IEC 61000-4-11	EN61000-4-11

15. Surface finish and Marking, Packaging and Shipping

Ø Marking

Splicing machine and its carrying case shall be marked for the following and shall be legible:

1. The name of the product, manufacturer's model and serial number.
2. The name of the supplier / manufacturer
3. The date of manufacture
4. Any other relevant information

Ø Surface Finish

The inside and outside surfaces shall have uniform colour and texture.

- a) The painted finish on metallic surfaces shall be resistant to impact and shall not exhibit radial cracking when subjected to 2.8 N-meter load and tested as ASTM D 2794 or any other equivalent International Standard.
- b) The finish and markings shall adhere to the base metal and shall not show any separation of coats when tested as per ASTM D 2197 or any other equivalent International Standard.
- c) The surface finish and markings shall be resistant to chemicals that are normally found in the telephone plant and shall not exhibit any perceivable changes when exposed to ultra violet light. In particular the surface shall not be affected by the following:
 - I. Cable Filling compound

- II. Isopropyl Alcohol
- III. Cable cleaning solutions.

16. Packaging & shipping

- Ø Packaging of the instrument shall be adequate to ensure that no damage will occur under normal shipping, handling and storage in reasonably dry unheated quarters. The supplier shall also ensure proper protection against bumps etc.
- Ø The splicing machine shipping container and packaging should be reusable recyclable and biodegradable.

17. Portability

- Ø A suitable hard rugged moulded carrying case (suitable for air, Rail & Road transport) for the instrument shall be provided. The carrying case used for transporting the instrument to a field location shall be equipped with carrying handle so that it may be carried with one hand.
- Ø It is desirable the splicing system be packaged as a single unit.
- Ø The Optical Fibre Fusion splicing machine shall be compact and light weight, with a minimum sub-assembly, in order to provide a reasonable degree of portability and simplicity of operation.

Note: Manufacturers/Traders having approval certificate against existing TEC GR No. GR/OSM-01/03 .APR 2005 can apply for approval certificate against revised TEC GR No. TEC/GR/TX/OSM-00 1/04/SEP-12 but the period of validity shall remain the same as applicable for the earlier certificate. In case there is no change in Hardware/Software and Make & Model No. of the instrument remains the same then all the tests may not be repeated in next approvals and tests will be conducted only for the modified/inserted clauses. However, if the Manufacturer/Trader has made any Hardware/Software changes then the case will be considered for fresh Approval against the new GR.

18. Demo:

A demo session on usage of Optical Fibre Splicing Machine shall be provided by OEM/Bidder at the Supply location for one day.

SPECIAL TERMS & CONDITIONS

-
1. The bidder is advised to go through the specifications of Optical Fibre Splicing Machine and assess the full requirements before quoting.

2. **Delivery Period: Contract is valid for 45 Days and Bidder shall deliver the equipment within 1 Month (30 days) from the date of confirmation of OIC-HPCL.**

3. **Liquidity damages will be levied on delay in the supply with in CDD period as per the Tender A TC and GTC.**

4. Vendor's Scope:

- a) Material catalogue to be shared prior to the dispatch of material.
- b) In case of any material found damage & faulty, same to be replaced in a week period. Same shall be replaced within the CDD period. Penalty will be levied on failure of supply of material within CDD period.
- c) In case of any queries on the scope of job/STC, Bidders may contact the correspondence for any clarifications in scope of job, STC and SOQ before bidding.

5. Bidder shall not be entitled to sublet, subcontract or assign the work against order placed without HPCL's consent in writing. This service contract is non-transferrable.

6. **Terms of payment: Partial payment is allowed for the quantity of services received and 100 % of payment shall be made within 15 days of completion of job, receipt of material along with bill / delivery challan and test reports etc., as per the P.O. terms & conditions.**

7. In case the job is found to be unsatisfactory, HPCL reserves the right to cancel the PO at any point of time. This clause overrides any clause, what so ever, in the PO.

8. **GUARANTEE/WARRANTY Period: The vendor shall guarantee the items supplied for a period of minimum 12 months from the date of completion of the job.** Any damage or defect that may arise or lie undiscovered at the time of supply shall be rectified or replaced by the contractor at his own cost. The decision of the Engineer In-charge/Site-In-charge/Owner shall be the final in deciding whether the defect has to be rectified or replaced. Equipment or spare parts replaced under warranty/guarantees shall have further warranty for a period of 12 months from the date of completion of job.

9. **QUALITY OF MATERIAL:** The materials shall be of quality as mentioned in the technical specification part of this document.

10. **FIRM RATES:** The rates shall remain unchanged till the expiry of Contract and no Revision of Rates shall be entertained from parties for any reason. No Escalation/ De-escalation of rates are applicable

11. HPCL reserves the right to cancel the tender at any stage.

- a) The party should take care to see that the consignments are free from any defects. In case of any defects, the party will be intimated and it will be the responsibility of the party to replace the defective products, free of cost.
- b) The material can be inspected at any time by HPCL, location officials and you will have to provide every necessary aid for the same at no extra cost. If any discrepancies are found in the inspection, the entire lot is to be replaced at no extra cost.
- c) The materials/consumables supplied should strictly confirm to the specifications mentioned in the order.
- d) Defects or deviation from technical specifications, if any, found in the items supplied will render the whole lot unusable and will have to be replaced immediately at no extra cost.
- d)

12. **Performance Bank Guarantee/Retention Money:** CPBG of **5 %** of the total delivered value of contract.

SCHEDULE OF QUANTITIES

S.No	Line-Item Description	UO M	Qty
1	Supply of Optical Fibre Splicing Machine at VDS	EAC	2

PRE-QUALIFICATION CRITERIA (PQC):

FINANCIAL CRITERIA:

Turnover Criteria:

As per bidder's audited financial statements, bidder should have an average financial turnover of at least **0.99 Lakhs** during the last 3 financial years ending 31-03-2025 as indicated below

Status of Bidders (MSE/ Non-MSE)	Average Annual financial turnover during the last 3 years, ending 31st March 2025, should be at least INR (in Lakh)
For Non MSE Bidders	0.99
For MSE Bidders	0.84

In this regard the vendor has to submit Audited Financial statements for last 3 immediately completed financial years i.e., 2024-25, 2023-24 and 2022-23. While computing the annual turnover, other income shall not be considered.

Average turnover shall be determined by summing up the annual turnover of each financial year and dividing the sum by three. In the event a bidder does not have turnover in any one or two of the years of the submitted financial years, the turnover for that / those years shall be taken as Nil and the average turnover will be calculated by considering the denominator as 3 years - to determine the conformity to the turnover criteria.

For the purpose of assessment of Turnover, Turnover shall be calculated including GST but excluding other incomes.

- a) Bidders are required to submit all documents regarding previous work completion(s) along with Purchase Orders (and completion report) and audited financial documents (or certificate from CA towards turnover/ working capital, along with IT Returns, if the Bidder is not required to get its accounts audited under Section 44 AB of The Income Tax Act, 1961) along with UDIN for the past 3 years, along with relevant supporting documents in the first instance itself, along with the Unpriced bid. UDIN is mandatory.

Status of Bidders (MSE/ Non-MSE)	Bidders shall have experience of having successfully carried out and completed similar work during the last 7 years ending 31.12.2025 to the one in which applications are invited, which experience shall be as below:
For Non MSE Bidders	One similar supply work with at least 1.32 lakhs value
For MSE Bidders	One similar supply work with at least 1.12 lakhs value

TECHNICAL CRITERIA:

Bidder shall have experience of having successfully carried out and completed Similar Works (*) during the last Seven (7) years ending **31.12.2025** i.e., which experience should be any one of the following:

For Micro and Small Enterprises (MSE) the technical criteria is relaxed by 15% in line with Govt. of India.Guidelines.

(*) Definition of “Similar Completed Work”: Similar Work shall mean that the bidder should have supplied any kind of telecom equipment at **any government or PSU or Public Limited (Listed) company**. The vendor shall submit the PO/work order copy **and** completion certificate or equivalent documentary proof for the execution of the order.

NOTE: The above criteria to be met for qualification of applicants. The vendor shall submit job completion certificate as a proof of completed works.

- b) Accordingly, only such documents shall be considered for qualification, details of which are provided in the Unpriced bid by the bidder and subsequently none of the above documents, shall be sought from the bidder, even if the bidder submits the above documents after opening of unpriced bid, these documents, will not be considered for evaluation.

c)Relaxation of BQC for Startups is not applicable for this tender.

d)Value of completed orders shall be considered inclusive of taxes.

e)For arriving at cost of similar work, the value of work executed shall be brought to current costing level by enhancing the actual value of work at simple rate of seven percent per annum, calculated from the date of completion to the date of bid opening.

f)MSE : All MSE bidders are advised to select “ MSE” while submitting their bids.

No MSE preference will be given to any MSE bidder who has not selected “MSE “ after opening of Un priced bid and such bidders will be treated as a general bidder.

g)MII : All MII bidders are advised to select “ MII” while submitting their bids.

In case any MII bidder has not selected “MII”, after opening of Unpriced bid, such bidders offers will be rejected technically and priced bids will not be opened.

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is

duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---