

RAILTEL CORPORATION OF INDIA LIMITED
(A Govt. of India Undertaking) (Ministry of Railways)

TENDER DOCUMENT

FOR

**“PROCUREMENT OF SPLICING MACHINE, OPTICAL TIME
DOMAIN REFLECTOMETER (OTDR) & CABLE ROUTE
TRACER”.**

**Tender No. RailTel/Tender/OT/WR/OFC Instruments/2016-
17/02/1-3**

Tender Copy No. _____

Sold to:

RAILTEL
A Government of India
Undertaking

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TENDER NOTICE

No. RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/1-3 Date: 04.04.2016

RailTel Corporation of India Ltd.(RailTel), Mahalaxmi Railway Microwave Compound, Senapati Bapat Marg, Mahalaxmi, Mumbai – 400013, invites sealed Open Tender from the established and reliable manufacturers / Suppliers **“Procurement of Splicing machines, Optical Time Domain Reflectometers (OTDR) & Cable Route Tracer as per the specification detailed at Schedule of Requirement.”**

| Tender No. | Subject | Estimated Tender Value (Rs.) | Earnest Money (Rs.) |
|-------------------|--|-------------------------------------|----------------------------|
| 02/1 | Procurement of Splicing machine. | 18,21,720 | 36,440 |
| 02/2 | Procurement of Optical Time Domain Reflectometers (OTDR) | 17,23,040 | 34,470 |
| 02/3 | Procurement of Cable Route Tracer. | 4,06,964 | 8,140 |

NOTE:

The firm registered with National Small Industries Corporation (NSIC) under its Single point registration scheme or registered as Micro, Small and Medium Enterprises under MSMED Act 2006 with District Industries Centres or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or Directorate of Handicrafts & Handloom or any other body specified by Ministry of Micro, Small & Medium Enterprise will be exempted from the payment of cost of tender document provided they are registered for the same scope of work as NIT. The documents submitted by the firm shall be duly certified/attested. However, postage charges of Rs. 500/- would have to be paid by them, in case they need tender document by post.

Other Details of tender as per the following.

| | | |
|----|-------------------------------------|---|
| a) | Issue date Sale of Tender Documents | From 11.04.2016 |
| b) | Closing of sale of Tender documents | 10.05.2016 up to 12.00 Hrs. |
| c) | Receipt of sealed Tender documents. | 10.05.2016 up to 15.00 Hrs. |
| d) | Opening of sealed Tender documents. | 10.05.2016 at 15.30 Hrs. |
| e) | Validity of offer | 90 days from the date of opening of tender. |
| f) | Delivery period | 30 days from the date of issue of LOA of tender. |

**RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/1-3
(Downloaded from Website)**

| | | |
|----|--|---|
| g) | Address for availability of tender document | Executive Director, RailTel Corporation of India Ltd., Western Railway Microwave Complex, Senapati Bapat Marg, Mahalaxmi, Mumbai - 400 013. |
| h) | Web address for availability of tender document | www.railtelindia.com |
| i) | Cost of Tender document by hand / Down loaded from web site. | Rs. 3,150 /- (Including VAT) for each tender. |
| j) | Cost of Tender document if required by post | Rs. 3,675/- (Including VAT) for each tender. |
| k) | The offer shall be inclusive of taxes but the tenderer has to submit the breakup of all taxes (in Form No.16 at annexure-I) at the time of submission of their bills and the TIN No., PAN No. at the time of submissions of their bills. | |
| l) | Payment will be made through RTGS by RailTel. | |

The offers shall be opened on above said date in the presence of those bidders who choose to be present. If the above said date happens to be a holiday the same shall be done on the next working day.

The Bid have to be sent at the following address – Office of Executive Director, Railtel Corporation of India Limited, Western Railway Microwave Complex, Opposite Ambika Mills, Senapati Bapat Marg, Mahalaxmi(West), Mumbai-400013. The bids will be opened at the above said address.

For General Manager (Projects)

RailTel Corporation of India Limited, Mumbai



निविदा सूचना

सं. रेलटेल/निविदा/ओटी/डब्लूआर/ ओएफसी उपकरण/ 2016-17/02/1-3

दिनांक : 04.04.2016

रेलटेल कारपोरेशन ऑफ इंडिया लि , महालक्ष्मी रेलवे माइक्रोवेव कंपाउंड, सेनापति बापट मार्ग, महालक्ष्मी - 400,013 द्वारा स्थापित और विश्वसनीय निर्माताओं / आपूर्तिकर्ताओं से मुहरबंद खुली निविदा आमंत्रित की जाती हैं :

स्पलाइसिंग मशीन्स , ऑप्टिकल टाइम डोमेन रेफ्लेक्टोमीटर्स (OTDR) & केबल रूट ट्रेसर की एस ओ आर में विस्तृत विनिर्देश के अनुसार खरीद ।

| निविदा सं. | विषय | अनुमानित निविदा लागत (रुपए) | बयाना राशि (रुपए) |
|------------|--|-----------------------------|-------------------|
| 02/1 | स्पलाइसिंग मशीन्स की खरीद | 18,21,720 | 36,440 |
| 02/2 | ऑप्टिकल टाइम डोमेन रेफ्लेक्टोमीटर्स) OTDR) की खरीद | 17,23,040 | 34,470 |
| 02/3 | केबल रूट ट्रेसर की खरीद | 4,06,964 | 8,140 |

नोट : यदि फर्म, एकल बिंदु पंजीकरण योजना के अंतर्गत राष्ट्रीय लघु उद्योग निगम के साथ या सूक्ष्म, लघु, मध्यम उद्यम के रूप में एमएसएमईडी अधिनियम के तहत 2006 जिला उद्योग केन्द्रों या खादी और ग्रामोद्योग आयोग या खादी और ग्रामोद्योग बोर्ड या काँयर बोर्ड या हस्तशिल्प एवं हथकरघा निदेशालय या सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय द्वारा निर्दिष्ट किसी अन्य संस्था

द्वारा पंजीकृत है तो निविदाकार को निविदा दस्तावेज लागत से छूट दी गई है बशर्ते कि वे निविदा सूचना में समान रूप के स्कोप ऑफ वर्क के लिए पंजीकृत हैं . फर्म द्वारा प्रस्तुत दस्तावेज प्रमाणित/ सत्यापित होने चाहिए । यदि निविदा दस्तावेज डाक से आपूर्ति चाहते हैं तो डाक चार्जस के 500/- रुपये का भुगतान उनको करना होगा। निविदा दस्तावेज में उल्लेखित पात्रता मानदंडों की पूर्ति, निविदाकर्ता के प्रस्ताव पर विचार करने के पूर्व अपेक्षित है।

निविदा से सम्बंधित अन्य विवरण निम्नलिखित है:

| | | |
|----|---|---|
| a) | निविदा दस्तावेज की बिक्री प्रारम्भ होने की तारीख | 11.04.2016 |
| b) | निविदा दस्तावेज की बिक्री बंद होने की तारीख एवं समय | दोपहर 12.00 बजे तक दिनांक 10.05.2016 |
| c) | निविदा जमा करने की अंतिम तारीख एवं समय | दोपहर 15.00 बजे तक दिनांक 10.05.2016 |
| d) | निविदा खुलने की तारीख एवं समय | दोपहर 15.30 बजे तक दिनांक 10.05.2016 |
| e) | प्रस्ताव की वैधता | 90 दिन निविदा खोलने की तारीख से |
| f) | कार्य के पूरा होने की अवधि | निविदा की एलओए जारी होने की तारीख से 30 दिन। |
| g) | निविदा दस्तावेज की उपलब्धता के लिए पता | कार्यपालक निदेशक ,पश्चिमी क्षेत्र रेलटेल कारपोरेशन ऑफ इंडिया लिमिटेड पश्चिम रेलवे माइक्रोवेव परिसर, |

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| | | |
|----|---|--|
| | | सेनापति बापट मार्ग, महालक्ष्मी (पश्चिम), मुंबई - 400 013 |
| h) | निविदा दस्तावेज की उपलब्धता के लिए वेबसाईट का पता | www.railtelindia.com |
| i) | निविदा दस्तावेज की कीमत रुपए में (वैट सहित) (बाय हेंड) | 3150/- प्रत्येक निविदा दस्तावेज के लिए |
| j) | निविदा दस्तावेज की कीमत रुपए में (वैट सहित) (डाक द्वारा) | 3675/- प्रत्येक निविदा दस्तावेज के लिए |
| k) | प्रस्ताव कर सहित होंगे लेकिन निविदाकार को सभी करों का ब्रेकअप निविदा दस्तावेज के साथ लगे हुए फॉर्म सं 16 के अनुसार जमा करना होगा। निविदाकार को खाता बिल प्रस्तुत करने के समय उनके टिन नंबर, पैन नंबर प्रस्तुत करने होंगे। | |
| l) | भुगतान रेलटेल द्वारा आरटीजीएस के माध्यम से किया जाएगा। | |

निविदा, निविदाकार स्वयं/उनके प्रतिनिधि जो भी उपस्थित होना चाहते हैं, उनके मौजूदगी में, ऊपर बताई गई तारीख पर खोली जाएगी। यदि बताई गई तारीख को अवकाश होता है तो निविदा / ऑफर अगले कार्य दिवस पर खोली जाएगी।

निविदा /निविदाये /बिड निम्न पते पर भेजना है : कार्यालय- कार्यपालक निदेशक, रेलटेल कारपोरेशन ऑफ इंडिया लिमिटेड , पश्चिम रेलवे माइक्रोवेव परिसर, अंबिका मिल्स के सामने, सेनापति बापट मार्ग, महालक्ष्मी (पश्चिम), मुंबई 400013. निविदा ऊपर बताये गए पते पर खोली जाएगी।

कृते महाप्रबंधक/परियोजना,
रेलटेल कारपोरेशन ऑफ इंडिया लिमिटेड,
मुंबई

रेलटेल
RAILTEL
A Government of India
Undertaking

Chapter I

OFFER LETTER

To,
RailTel Corporation of India Limited,
Mahalaxmi Railway microwave compound,
Senapati Bapat Marg, Mahalaxmi,
Mumbai – 400 013.

I/We _____ have read the various conditions to tender attached here to and hereby agree to ABIDE BY THE SAID CONDITIONS. I/We also agree to keep this tender open for acceptance for a period of **90 days** from the date fixed for opening the same and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money. I/We offer to do the supply of material as per the Schedule of Requirement under **Tender No. RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/1-3** to RailTel Corporation of India Limited at the rates quoted in the attached Schedules and hereby bind myself/ourselves to complete the supply of material as per the Schedule of Requirement within **30 days** from the date of issue of Purchase Order. I/We also hereby agree to abide by the Various Conditions of Contract and to carry out the work according to the Specifications for materials and works laid down by RailTel for the present contract.

2. A sum of Rs. _____ only as an Account Payee Demand Draft drawn in favor of RailTel Corporation Of India Ltd. No.----- dt. ----- issued by ----- - is herewith forwarded as “Earnest Money”. The full value of Earnest Money shall stand forfeited without prejudice to any other rights or remedies if, I/We withdraw or modify the offer within validity period or do not deposit the security deposit (in form of Performance Bank Guarantee) within 15 days after receipt of orders to that effect.

SIGNATURE OF SUPPLIER (S)

Date

SUPPLIER (S) ADDRESS

SIGNATURE OF WITNESSES

1.

2.

Chapter II

OFFER SHEET - I

SCHEDULE OF REQUIREMENTS (PRICE SCHEDULE)
Tender No. RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/1

Name of Supply: "Procurement of Splicing machines as per the specification detailed at Schedule of Requirement."

| Sr. No | Name of Item | Unit | Qty | Rate (in Rs) (without Tax) | Tax Applicable (% rate) | Amt. (in Rs.) (without Tax) | Amount (in Rs. Inclusive Tax) |
|--------------------------------|--|------|-----|----------------------------|-------------------------|-----------------------------|-------------------------------|
| 1 | Supply of fully automated with wind protector fusion splicing machine of make Fujikura or Fitel or Sumitomoy as per specification attached at Annexure-II. | Nos | 4 | | | | |
| Total Amount in Figures | | | | | | | |
| Total Amount in Words | | | | | | | |

NOTE: Only OEM or their official authorized vendors are allowed to participate.

The authorized vendors shall submit a letter from OEM that they are their authorized vendor to supply the equipment.

| Note for Guidance: | |
|---------------------------|--|
| a | [i] Unit cost quoted against SOR above should be inclusive of all duties, taxes, freight etc. |
| | [ii] Tax break up to be submitted by bidder in Form No. 16 annexed with Tender Document. |
| b | It is certified that I/We have carefully gone through the specifications, special conditions etc. shown in the Tender Document. |
| c | I/We undertake to keep this offer valid for a period indicated in Tender from the date of opening of Tender and further not to revoke the same before the expiry of such period. |

Signature of the Tenderer With Seal

OFFER SHEET – II

SCHEDULE OF REQUIREMENTS (PRICE SCHEDULE)
Tender No. RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/2

Name of Supply: “Procurement of Optical Time Domain Reflectometers (OTDR) as per the specification detailed at Schedule of Requirement.”

| Sr. No | Name of Item | Unit | Qty | Rate (in Rs) (without Tax) | Tax Applicable (% rate) | Amt. (in Rs.) (without Tax) | Amount (in Rs. Inclusive Tax) |
|--------------------------------|--|------|-----|----------------------------|-------------------------|-----------------------------|-------------------------------|
| 1 | Supply of Optical Time Domain Reflectometer (OTDR) make JDSU or Anritsu or EXFO as per specification attached at Annexure-III. | Nos | 4 | | | | |
| Total Amount in Figures | | | | | | | |
| Total Amount in Words | | | | | | | |

NOTE: Only OEM or their official authorized vendors are allowed to participate.

The authorized vendors shall submit a letter from OEM that they are their authorized vendor to supply the equipment.

| Note for Guidance: | |
|---------------------------|--|
| a | [i] Unit cost quoted against SOR above should be inclusive of all duties, taxes, freight etc. |
| | [ii] Tax break up to be submitted by bidder in Form No. 16 annexed with Tender Document. |
| b | It is certified that I/We have carefully gone through the specifications, special conditions etc. shown in the Tender Document. |
| c | I/We undertake to keep this offer valid for a period indicated in Tender from the date of opening of Tender and further not to revoke the same before the expiry of such period. |

Signature of the Tenderer With Seal

OFFER SHEET - III

**SCHEDULE OF REQUIREMENTS (PRICE SCHEDULE)
Tender No. RailTel/Tender/OT/WR/OFC Instruments/2016-17/02/3**

Name of Supply: "Procurement of Cable Route Tracer as per the specification detailed at Schedule of Requirement."

| Sr. No | Name of Item | Unit | Qty | Rate (in Rs) (without Tax) | Tax Applicable (% rate) | Amt. (in Rs.) (without Tax) | Amount (in Rs. Inclusive Tax) |
|--------------------------------|--|------|-----|----------------------------|-------------------------|-----------------------------|-------------------------------|
| 1 | Supply of 2273 MID/12W Cable Route Tracer of DYNATEL / 3M. | Nos | 4 | | | | |
| Total Amount in Figures | | | | | | | |
| Total Amount in Words | | | | | | | |

NOTE: Only OEM or their official authorized vendors are allowed to participate.

The authorized vendors shall submit a letter from OEM that they are their authorized vendor to supply the equipment.

| Note for Guidance: | |
|---------------------------|--|
| a | [i] Unit cost quoted against SOR above should be inclusive of all duties, taxes, freight etc. |
| | [ii] Tax break up to be submitted by bidder in Form No. 16 annexed with Tender Document. |
| b | It is certified that I/We have carefully gone through the specifications, special conditions etc. shown in the Tender Document. |
| c | I/We undertake to keep this offer valid for a period indicated in Tender from the date of opening of Tender and further not to revoke the same before the expiry of such period. |

Signature of the Tenderer With Seal

CHAPTER III

Terms & Conditions

1. Offer letter and Validity of Offer

- 1.1. The bidder shall complete the offer letter and the price schedule furnished in the bid documents, indicating the goods to be supplied, description of the goods, associated technical literature, quantity and prices etc. For the items not manufactured by bidders, the authorization from original equipment manufacturer should be enclosed.
- 1.2. Tender cost of Rs.3150/- should be deposited in favour of RailTel Corporation of India Ltd., payable at Mumbai, in the form of Demand Draft drawn on any Scheduled Bank/Nationalized bank for tender document downloaded from website..
- 1.3. The various items to be supplied by the tenderer are indicated in Schedule of Requirement as in chapter 2 of this tender document as Offer Sheet 1 (Splicing machine), Offer Sheet 2 (OTDR) and Offer Sheet 3 (Cable Route locator). The tenderer is advised to quote rate both in figures and words per unit for the each items in the column 'Rate' and amount for the item in the column 'Amount'. Aggregate of the amount is to be mentioned in against 'Total' in the last row in the concerned offer sheet.

The tenderer may quote for one or more schedules as given below

| Tender No. | Description of material | Earnest Money to be paid |
|------------|------------------------------------|--------------------------|
| 02/1 | Procurement of Splicing machine | Rs. 36,440/- |
| 02/2 | Procurement of OTDR. | Rs. 34,470/- |
| 02/3 | Procurement of Cable Route Locator | Rs. 8140/- |

- 1.4. Bidder may enclose their credentials including supply of similar equipment to other government/PSUs/ Telecom Service Providers.
- 1.5. The offer should remain valid for a period of **90 days** from the date of opening.

2. Warranty

- 2.1 The contractor shall warrant that Equipments to be supplied shall be new and free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards of materials of the type ordered and shall perform in full conformity with the specifications and drawings. The contractor

shall be responsible for any defects that may develop under the conditions provided by the contract and under proper use, arising from faulty materials, design or workmanship such as corrosion of the equipment, inadequate quantity of material to meet equipment requirements, inadequate contract protection, deficiencies in circuit design and / or otherwise and shall remedy such defects at his own cost when called upon to do so by the Purchaser who shall state in writing in what respect the stores are faulty.

2.2 If it becomes necessary for the contractor to replace or renew any defective portion/portions of the equipment under this clause, the provisions of the clause shall apply to the portion/portions of the equipment so replaced or renewed or until the end of the above mentioned period of 12 months, whichever may be later, if any defect is not remedied within a reasonable time, the Purchaser may proceed to do the work at the contractor's risk and expenses, but without prejudice to any rights which the Purchaser may have against the contractor in respect of such defects.

2.3 Replacement under warranty clause shall be made by the contractor free of all charges at site including freight, insurance and other incidental charges.

3. INSURANCE OF MATERIALS & INSTALLATIONS

- 3.1 The Contractor shall take out and keep in force a Policy or policies of Insurance for all materials supplied.
- 3.2 It may be noted that the beneficiary of the insurance policy should be RailTel or the policies should be pledged in favor of RailTel

4. Delivery Period

The Equipments should be supplied within **30 days** of issue of "Purchase Order."

5. Place of Delivery

The items shall be delivered at RCIL, Ahmedabad..

6. Payment Terms

6.1. 100 % of the value of the order on receipt of materials at site duly inspected and accompanied with the following documents:

- Invoice
- Delivery Challan duly accepted by Consignee.
- Excise Duty Gate pass/Excise Invoice or equivalent or Custom Duty Receipt, etc as applicable.
- Inspection certificate
- Warranty/Guarantee certificate of OEM/Supplier

- Contractor's certificate of dispatch.
- Consignee's receipt.
- Insurance Certificate
- Undertaking against fall clause.
- OEM certificate that material supplied is as per specification / the quantity material supplied as per SOR.

6.2. Deleted

7. Performance Bank Guarantee (PBG)

The supplier is required to submit a Performance Bank Guarantee (PBG) within 15 days of issue of Purchase Order for 10 % of the value of the order valid for a period of one year beyond delivery period towards satisfactory performance of contract. The PBG shall be returned after successful completion of contractual obligation and acceptance of material duly accepted by consignee. The Performa for PBG is given in **Chapter IV**.

8. Taxes & Duties

Please see clause 21.

9. Liquidated Damages

The timely delivery is the essence of this project, Liquidated damages will be applicable at the rate of half percent per week or part thereof for undelivered portion subject to a maximum of 10 % of the cost of supply. RailTel will have the right to cancel the order, place order on alternative source at risk & cost of the supplier besides levying the L.D.

The competent authority while granting extension of currency of the contract may also levy token penalty as deemed fit based on the merit of case.

10. Transportation

The rates quoted should be F.O.R. destination.

11. Statutory Deduction

These will be made at source as per the rules prevalent in the area of work.

12. Issue of Purchase Order/ Award of Contract

The purchaser shall consider placement of orders for commercial supplies on those bidder whose offers have been found technically and commercially acceptable and are lowest. The issue of purchase order shall constitute the award of contract on the bidder. The bidder shall within 15 days of issue of Purchase Order, give his acceptance along with Performance Bank Guarantee as per Clause 7.

13. Purchaser's Right to Vary Quantities

The Purchaser reserves the right at the time of award of contract to increase or decrease by upto 25 % of the quantity of goods and services specified in the Schedule of Requirements without any change in unit price of the ordered quantity or other terms and conditions.

14. Splitting of Order

Railtel may consider splitting of orders as the case may be.

15. Purchaser's Right to accept any Bid and to reject any or all Bids

The purchaser reserves the right to accept or reject any Bid and to annul the bidding process and reject all bids, at any time prior to award of contract without any reason whatsoever and without thereby incurring any liability to the affected bidder or bidders on the grounds for the Purchaser's action.

16. Issue of Advance Purchase Order

Deleted

17. Issue of Purchase Order and Award of contract – Please see Clause 11.

18. Annulment of Award

Failure of the successful bidder to comply with the requirement of Clause 11 shall constitute sufficient ground for the annulment of the award and forfeiture of EMD in which event the Purchaser may make the award to any other bidder at the discretion of the Purchaser or call for new bids.

19. Earnest Money Deposit (EMD)

The tenderer is required to submit EMD as prescribed in Para 1.3 of tender document above. For bidding more than one schedule, the tenderer is required to submit a sum of the EMD prescribed for the schedules. The Earnest Money should be deposited in favour of RailTel Corporation of India Ltd., payable at Mumbai, in the form of Demand Draft drawn on any Scheduled Bank/Nationalized bank. The validity of Demand draft will be at least 60 days beyond opening of tender. No interest is allowed on this Deposit.

19.1 Earnest Money as per Tender Notice shall be submitted in the form of Demand Draft from any Nationalised / Scheduled bank in India in favour of **“RailTel Corporation of India Limited” payable at Mumbai.**

19.2 The EMD may be forfeited if a bidder withdraws his offer or modifies the terms and conditions of the offer before validity period and in the case of a successful bidder, if the bidder fails to accept the Purchase order and furnish performance security in accordance with clause 12 and 7.

19.3 Tenders not accompanied by Earnest Money shall be summarily rejected.

- 19.4 Earnest Money of the unsuccessful bidder will be discharged/returned as promptly as possible.
- 19.5 The successful bidder's bid security will be discharged upon the bidder's acceptance of the purchase order satisfactorily and furnishing the performance bank guarantee in accordance with **Clause 7**.

The firm registered with National Small Industries Corporation (NSIC) under its Single point registration scheme or registered as Micro, Small and Medium Enterprises under MSMED Act 2006 with District Industries Centres or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or Directorate of Handicrafts & Handloom or any other body specified by Ministry of Micro, Small & Medium Enterprise will be exempted from the payment of Earnest Money Deposit provided they are registered for the same scope of work as NIT. The documents submitted by the firm shall be duly certified/attested.

20. FALL CLAUSE

- I The price charged for the stores under the contract by the contractor shall not in any event exceed the lowest price at which the contractor sells the stores or other offers to sell stores of identical description to any person / organizations including the purchaser or any department of the Central Government or any State Government or any statutory undertaking of Central or State Government, as the case may be during the period till the performance of all supply orders placed during the currency of the Purchase Order is completed.
- II If at any time the said period, the contractor reduces the sale price, sells or offers to sell such stores to any person / organization including the purchaser or any department of the Central Government or any State Government or any statutory undertaking of Central or State Government, as the case may, at a price lower than the price chargeable under the contract, he shall forthwith notify such reduction in sale price to the Purchaser and the price payable under the contract for the stores supplied after the date of coming into force of such reduction shall stand correspondingly reduced, the above stipulation will, however, not apply to,
- (a) Export / Deemed Export by the contractor,
- (b) Sale of goods such as drugs which have expiry dates, and
- III The Contractor shall furnish the following certificate to the bill paying officer along with each bill for payment of supplies made against the contract. "I / We certify that there has been no reduction in sale price of the stores of description identical to the stores supplied under the contract herein and such stores have not been offered / sold by me/us to any person / organization including the purchaser any department of the Central Government or any State Government or any statutory undertaking of Central or State Government, as the case may be, up to the date of bill / the

date of completion of supplies against all supply orders placed during the currency of the contract at a price lower than the price charged to the purchase order under the contract except for quantity of Stores categorized under sub-clause (a) & (b) of sub para II above, details of which are as follows: "

21. BID PRICES, Taxes & Duties

21.1 The bidder shall give the total composite price inclusive of all levies and taxes, packing, forwarding, freight and insurance etc. The basic unit price and all other components of price need to be individually indicated against the goods it proposes to supply under the contract as per schedule given in **Chapter II**. The price shall be firm in Indian Rupees and FOR Destination. No Foreign exchange will be made available by the purchaser. Sales Tax Form "C" shall be provided by RailTel.

21.2 The break up of price of each item of SOR in terms of basic Unit price, Excise duty, Sales Tax, Freight, Forwarding, Packing, Insurance and any other Levies/charges already paid or payable by the supplier shall also be quoted separately in Form No.16 annexed with the Tender Document..

21.3 The price quoted by the bidder shall remain fixed during the entire period of contract and shall not be subject to variation on any account.

22 Clause wise Compliance

Clause wise compliance statement of the Technical Specifications and Commercial Terms & Conditions shall be enclosed with the offer along with technical literature of the material and other documents in support of relevant clauses.

23 Provenness of the equipment

In order to enable the Purchaser to assess the provenness of the system offered, the bidder shall provide documentary evidence regarding the equipments being offered by him.

24 Training:
Deleted

25 Inspection

25.1 All equipments materials fittings and components supplied by the contractor will be required to be inspected as per the codes and specifications by the Purchaser or his representative before accepting the delivery.

25.2 All materials shall be procured from the manufacturers of repute/their authorized dealers. Such materials are to be accepted by the Engineer. The contractor may be required to produce test certificate from the manufacturer wherever called for by the Engineer.

25.3 The inspection charges, if any, payable to the purchaser's representative for carrying out the inspection shall be borne by the purchaser.

25.4 The cost of equipment and materials, all tests and/or analysis performed for inspection shall be borne by the contractor.

26 Force Majeure

Force Majeure shall mean -

- War, hostilities (whether war be declared or not), invasion, act of foreign enemies.
- Rebellion, revolution, insurrection or military or usurped power, or civil war.
- Ionizing radiation, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio active toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.
- Presume waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds.
- Riot, commotion or disorder, unless solely restricted to employees of the Contractor or of his Subcontractors and arising from the conduct of the works.
- Loss or damage due to the use or occupation by the Employer of any section or part of the permanent works, except as may be provided for in the contract.
- Loss or damage due to the extent that it is due to the design of the works, other than any part of the design provided by the contractor or for which the contractor is responsible, and
- Any operation of the forces of nature against which an experienced contractor could not reasonably have been expected to take precautions.

27 Settlement of Disputes

In case of any dispute concerning this order both the supplier and RailTel shall try to settle the same amicably through mutual discussion/negotiations. Any unsettled dispute shall be settled in terms of Indian Act of Arbitration and conciliation 1996 or any amendment thereof. Place of arbitration shall be New Delhi. Arbitrator shall be appointed by Managing Director, RailTel Corporation of India Limited.

28 Governing Laws

This contract shall be interpreted in accordance with the laws of India. The courts at Mumbai shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.

29 Termination for Default

29.1 The purchaser may without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part.

- a) If the supplier fails to deliver any or all of the goods within the time period(s) specified in the contract.
- b) If the supplier fails to perform any other obligation(s) under the contract; and
- c) If the supplier, in either of the above circumstance(s) does not remedy his failure within a period of 30 days (or such longer period as the Purchaser may authorize in writing) after receipt of the default notice from the purchaser.

29.2 In the event the purchaser terminates the contract in whole or in part, the Purchaser may proceed, upon such terms and in such manner, as it deems appropriate, goods similar to those undelivered and the supplier shall be liable to the Purchaser for any excess cost for such similar goods. However, the supplier shall continue performance of the contract to the extent not terminated.

30 Termination for Insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier, without compensation to the supplier, if the supplier becomes bankrupt or otherwise insolvent as declared by the competent court provided that such termination will not prejudice or affect to the Purchaser.

31 Comprehensive Repair Charges

Deleted

32 Bid Submission and Opening date

33.1 The bid should be submitted in original. EMD should be enclosed with the original bid. The envelope containing the bid duly marked with Tender No. and Subject should be sealed and stamped with the personal seal of the bidder. Each and every page of bid should be stamped and signed by authorized representative of the firm. Power of attorney in favour of the signatory duly authorizing the signatory shall be enclosed in the bid.

33.2 The envelop shall be addressed to the Purchaser at the following address:

**Executive Director
RailTel Corporation of India Limited,
Western Railway microwave compound,
Senapati Bapat Marg, Mahalaxmi,
Mumbai – 400 013.**

33.3 The envelope shall bear name of the work i.e. Subject, Tender No. and the words “DO NOT OPEN BEFORE –**10.05.2016**”.

33.4 Bid should be delivered to the above address so as to reach up to **15:00 hours of 10.05.2016**. The bids shall be opened at 15:30 hours on the same day in the above office in the presence of those representative of the bidders who choose to be present. Bids received after due date and time shall be summarily rejected and shall not be opened.



Chapter IV

CONTRACT PERFORMANCE GUARANTEE BOND

(On Stamp Paper of Rs one hundred)
(To be used by approved Scheduled Banks)

In consideration of the RailTel Corporation of India Limited, at 6th Floor, IIIrd block, Delhi Technology Park, Shashtri Park, Delhi-110053, with Western Regional office at Western Railway Microwave Complex, Opposite Ambika Mills, Senapati Bapat Marg, Mahalaxmi (West), Mumbai-400013 (Herein after called the RailTel) having agreed to exempt (Hereinafter called "the said Contractor(s)") from the demand, under the terms and conditions of an Agreement No. dated made between RailTel Corporation of India Limited and for (hereinafter called "the said Agreement") of security deposit for the due fulfillment by the said Contractor(s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for `..... (Rs. only). We, (indicate the name of the Bank) hereinafter referred to as "the Bank") at the request of Contractor(s) do hereby undertake to pay the RailTel an amount not exceeding ` against any loss or damage caused to or suffered or would be caused to or suffered by the RailTel by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said Agreement.

We,(name of Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on demand from the RailTel stating that the amount as claimed is due by way of loss or damage caused to or would be caused to or suffered by the RailTel by reason of breach by the said Contractor(s) of any of terms or conditions contained in the said Agreement or by reason of the Contractor(s) failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding `.....only.

We,(name of bank) undertake to pay to the RailTel any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) / Supplier(s) in any suit or proceedings pending before any court or Tribunal relating thereto our liability under this present being, absolute and unequivocal.

The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the Contractor(s) / Supplier(s) shall have no claim against us for making such payment.

We,(name of bank) further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of the RailTel under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till RailTel certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this Guarantee. Unless a demand or claim under the Guarantee is made on us in writing on or before the We shall be discharged from all liability under this Guarantee thereafter. We,.....(name of bank) further agree with the RailTel that the RailTel shall have the fullest liberty without our consent and without affecting in any

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manner our obligations hereunder to vary any of the terms and conditions of the Agreement or to extend time or to postpone for any time or from time to time any of the powers exercisable by the RailTel against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension to the said Contractor(s) or for any forbearance, act or omission on the part of RailTel or any indulgence by the RailTel to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Guarantee will not be discharged due to the change in the Constitution of the Bank or the Contractor(s)/ Supplier(s).

We (the name of Bank) lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the RailTel in writing.

NOT WITH STANDING ANYTHING CONTAINED HEREIN ABOVE

- (i) The liability of the surety under his Bank Guarantee shall not exceed `..... (Rupees only).
- (ii) This Bank guarantee shall be valid upto
- (iii) We are liable to pay the guaranteed amount or nay part thereof under this Bank Guarantee only and only if you serves upon the bank, written claim or demand on or before

Dated theday of 2016

for
(Indicate the name of the Bank)

Witness:

Signature :
Name :

Signature :
Name :

NOTE: The Guarantee shall be valid for a period of 04 months after the expiry of the warranty period of the work as per Clause 7 of chapter 3.

A Government of India
Undertaking

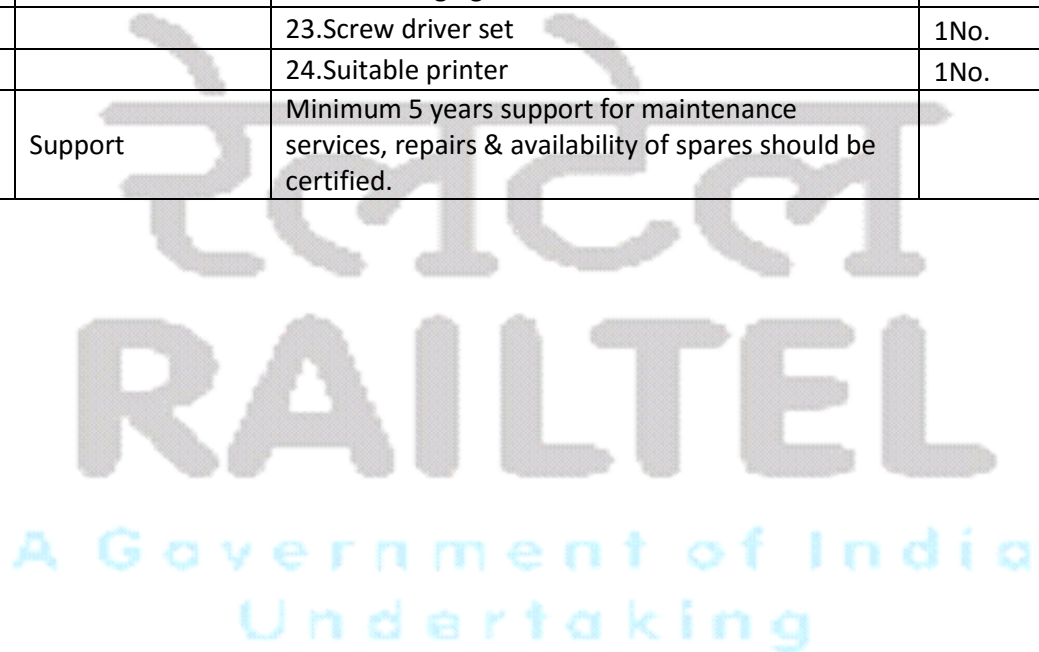
Annexure-II

Technical Specifications for Splicing machine

| S.No. | Item Description | Requirement |
|--------------|------------------------------|---|
| 1 | Applicable Fibers | Single/SMF(G.652),MMF(G.651),NZDSF(G.655) |
| 2 | Cladding Dia. | 80-150µm |
| 3 | Fiber Cleave Length | 5-16mm |
| 4 | Average Splice Loss | SM:0.02dB,MM:0.01dB,NZD:0.04dB |
| 5 | Splice Time | Typical 7 Seconds(with Fast Mode) and Typical 10 Seconds (with Auto Mode) |
| 6 | Heat Time | Maximum 20 Seconds |
| 7 | Splice Modes/Programs | Minimum 100 Modes |
| 8 | Automatic Splicing Selection | SM:SM,NZD,MM:MM |
| 9 | Heat Programs/Modes | Minimum 30 Modes |
| 10 | Applicable Sleeves | 40/60mm |
| 11 | Fiber Holding | Tight holder(Loose tube applicable) or Removal Fiber Holder System |
| 12 | Tension Test | ≥1.96N |
| 13 | Fiber Image Magnification | Min. X/Y (320X magnification),or both X and Y simultaneously (200X magnification) |
| 14 | Splice Memory | Minimum 15000 splices |
| 15 | Interface PC | Dell all in one 5459 or superior. |
| 16 | Monitor | Minimum 4.7" color LCD monitor |
| 17 | Data Output | USB ver.2.0 mini |
| 18 | Battery Capacity | Minimum 200 splice/heat cycles |
| 19 | Altitude | 5000m |
| 20 | Wind Protection | 15m/sec |
| 21 | Operating Temperature | -10 to +50°C |
| 22 | Humidity | 0 to 95%RH,non-dew |
| 23 | Power Source | AC Input 100 to 240V (50/60Hz) |

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| S.No. | Item Description | Requirement | Qty. |
|-------|------------------|---|----------|
| 24 | Standard Package | 1.Main Body | 1 No. |
| | | 2.Hard Carrying Case | 1No. |
| | | 3.Battery Pack | 2 Nos. |
| | | 4.Spare Electrodes | 1 Pair |
| | | 5.AC adaptor | 1 No. |
| | | 6.AC Power Cord | 1 No. |
| | | 7.Cotton Bud | 1 No. |
| | | 8.Cleaning Brush | 1No. |
| | | 9.Fiber Stripper | 1No. |
| | | 10.Instruction Manual CD | 1No. |
| | | 11.Quick Reference guide | 1No. |
| | | 12.USB Cable | 1No. |
| | | 13.Sleeve loader | 1No. |
| | | 14.Alcohol pot | 1No. |
| | | 15.High Precession fiber cleaver | 1No. |
| | | 16.Electrode Sharpener | 1No. |
| | | 17.Splice Protection Sleeves (45 mm) | 500 Nos. |
| | | 18.Shoulder Strap | 1No. |
| | | 19.Battery Charger | 1No. |
| | | 20.Loose tube cutter | 1No. |
| | | 21.Cable cutter | 1No. |
| | | 22.Cable Ringing tool | 1No. |
| | | 23.Screw driver set | 1No. |
| | | 24.Suitable printer | 1No. |
| 25 | Support | Minimum 5 years support for maintenance services, repairs & availability of spares should be certified. | |



Technical Specifications for OTDR

| Sr.No. | Make | Spec. |
|----------------------|-----------------------|---|
| 1 | Wavelength | 1310/1550 nm ± 20nm |
| 2 | Fiber Type | Single Mode (SMF) |
| 3 | Dynamic Range | 41/40 dB |
| 4 | Event Dead zone | ≤ 1m |
| 5 | Attenuation Dead Zone | ≤ 2 m |
| 6 | Laser Safety | IEC 60825-1, Class 1M |
| 7 | Connector Type | FC/PC or SC/PC |
| 8 | Display | Minimum 8", Touch screen, Indoor/Outdoor type |
| 9 | Interface | Minimum 2 ports USB. USB mass storage devices keyboard mouse supported |
| 10 | Data Storage | Internal memory : Equal to or More than 1000 traces |
| 11 | Power Supply | Power Adaptor Supporting AC Input 230V AC. Battery backup of minimum 8 Hrs. |
| 12 | Reflectance Accuracy | ±2dB |
| 13 | Distance Accuracy | ±0.75 m ±sampling resolution ± measurement distance × 10 ⁻⁵ |
| 14 | Distance Ranges | Single Mode: up to 320 km |
| 15 | Result Printer | HP Lase pro 1025nw or superior |
| 16 | Testing Modes | Fiber Visualizer: Provide end/break location, end to end loss, fiber length, easy graphical summary, PDF report |
| | | Standard OTDR: User selectable automatic or manual set-up |
| | | Light source: Stabilized Light source (CW, 270 Hz, 1 kHz, 2 kHz output) |
| | | In-built Power Meter: 1310/1490/1550/1625 nm wavelength |
| 17 | Fiber Event Analysis | Auto or manual operation, displayed in table format |
| | | User defined PASS/FAIL thresholds: |
| | | - Reflective and non-reflective events: 0.01 to 9.99 dB (0.01 dB steps) |
| | | - Reflectance: -70.0 to -20.0 dB (0.1 dB steps) |
| | | - Fiber end/break: 1 to 99 dB (1 dB steps) |
| | | Number of detected events: up to 99 |
| Macro bend detection | | |
| 18 | OTDR Trace Format | Telcordia universal. SOR, issue 2 (SR-4731) |

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| Sr.No. | Make | Spec. |
|--------|--------------------------|---|
| 19 | Other Functions | Real time sweep: 0.15 sec. |
| | | Loss modes: 2-point loss, dB/km, 2-point LSA, splice loss, ORL |
| | | Live Fiber detect : Verifies presence of communication light in optical fiber |
| | | Connection check: Automatic check of OTDR to FUT connection quality |
| | | Trace overlay and comparison, Template function, USB keyboard support, Remote control, Video output to PC |
| | | |
| 20 | File Transfers | When connected to a PC via a USB cable, the internal memory of the OTDR should be directly accessed. Data should be selected, dragged and dropped into the PC memory. The OTDR should support use of USB memory sticks. |
| 21 | Environmental Conditions | Operating temperature and humidity: -10° to +50°C, <80% (non-condensing |
| | EMC | EN61326-1, EN61000-3 |
| | Connectivity | Ethernet |
| 22 | Protector | Should include rubber bumpers, display cover |
| 23 | Accessories | battery pack; AC charger/adapter |
| | | user's manual (CD) |
| | | Carrying Case |
| | | PC Emulation Software for Data Analysis and Reporting |
| 24 | Warranty Sampling | One Years from Date of Supply |
| | | 2,56,000 Data points |
| 25 | Future Proof | The OTDR should be modular based and upgradable |
| 26 | Support | Minimum 5 years support for maintenance services, repairs & availability of spares should be certified |

Technical Specifications for Route Tracer

| | |
|----------------|--|
| Sr. No. | 2273 Mid-Electronic Cable Route Locator Specifications |
| | Electronic Route locator |
| | It should be able to locate OFC (Armored pipes by connecting the transmitter directly to the cable or through |
| | It should be able to locate cable through induction method without any direct connection to cable. |
| | It should be able to locate cable by Line mapping with cable direction guidance with both signal strength bar graph and right/left directional arrow display directing towards Target cable. |
| | System should have visual and audible cues for cable detection |
| | It should support various cable location verification methods/modes like Special Peak, directional peak, directional null methods for verification of target cable of interest. |
| | It should be able identify the possible direction of the buried cable by the analysis of direction of RF field during |
| | It should be able to locate the buried electronic markers (both Passive and ID markers). There should be a provision in the equipment that it simultaneously locates the markers also when performing the cable locating and gives a audio/video alert to users that marker is detected. |
| | It should be able to Write/Read the data/information in the RFID Markers. It should be possible to create the user data templates in computer/Laptops which can be further downloaded in locator to write the same information in. |
| | It should be compatible with the leading GPS mapping devices for GPS/GIS mapping of cable routes and Electronic marker placement points for efficient asset management system |
| | It should be able to locate the live power cables (50Hz) without connecting to the transmitter. It should use the passive power frequency of 50Hz available in live buried power cables to locate them. |
| | It should be able to locate the cables buried at depth of 9 meter. |
| | Transmitter should be able to produce out put power up to 12 Watt with help of a external 12 volt battery. Self-Maintenance free batteries will be provided with each set. |
| | Transmitter of the equipment should be capable of measuring locating circuit resistance & voltage |
| | It should meet the detail technical specification given below |
| | Receiver |
| | Locating Modes |
| | Peak: - Yes - Directional Peak |
| | Null: - Yes - Directional Null |
| | Special (single) Peak Active Frequencies :- 4 Total(577Hz,8kHz,33kHz,200kHz) |
| | Power freq: - 2 Power frequencies standard (50 and 60Hz) |
| | Compatible with rack mount transmitter frequencies |
| | Auxillary Freq availability (560, 512, 460, 400, 393, 340, 333, 273Hz) |
| | Display resolution - .1 dB |
| | Depth Display Range - 0 to 9m (30 ft)-- Under ideal conditions. |

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| | |
|--|--|
| | Depth units - cm, inch, ft.-in. |
| | Depth accuracy - +/- 2% +/- 5 cm (3 in.) 1,5 m (0 to 60 in.) |

| | |
|----------------|--|
| Sr. No. | 2273 Mid-Electronic Cable Route Locator Specifications |
| | +/- 6% +/- 5 cm (3 in.) 1,5 to 3 m (61 to 120 in.) |
| | +/- 10% +/- 5 cm (3 in.) 3 to 4,5 m (121 to 180 in.) |
| | Typical battery life - 30 hours |
| | Liquid Crystal Display |
| | Backlight |
| | Gain adjust / receiver |
| | Gain Level Indicator |
| | Signal Level Indication |
| | Digital Display |
| | Graphic |
| | Absolute signal strength |
| | Depth & Current |
| | Pushbutton |
| | Depth/Current Memory |
| | Single Shot Depth/Current |
| | Continuous Depth/Current |
| | Depth measurement:- Maximum displayed depth - 35 ft |
| | Depth Accuracy:- 0-5Ft - +/-3%, +/-2" |
| | Assumes undistorted field: - 5-10 Ft - +/-6%, +/-2" |
| | 10-15Ft - +/- 10%, +/- 2" |
| | Sonde Depth Measurements |
| | Signal strength Indicator |
| | Directional Arrows based on Peak Antennas Only |
| | Receiver should have Automatic Receiver self Test inbuilt. |
| | Receiver batteries:- 8 AA - more than 35 hour typical life |
| | Battery check |
| | Field Upgrade Capability |
| | Toning / External Antenna Jack |
| | GPS Interface:- GPS compatibility |
| | Electronic ID Marker Locating |
| | Capability for locating the electronic markers placed on the cable routes |
| | Locating of standard electronic route markers |
| | EMS Depth Estimation |
| | Read/Write programming of Marker |
| | Download of templates from P.C to locator for further programming of ID markers. |
| | Carrying Bag |
| | Transmitter |
| | Active frequencies of transmitter:- 4 Frequencies(577Hz,8kHz,33kHz,200kHz) |
| | Induction Freq's - 2 freq(33kHz and 200kHz) |
| | Output levels - Transmitter: - Up to 12 Watt in different steps |

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| | |
|--------------------|---|
| | Impedance Matching, Battery Check and Low Battery Warning for transmitter |
| | Output protection - 240 Vrms |
| | Transmitter batteries - Quantity-Size/Life:- 6 C cell Alkaline-50 hrs life in normal mode, 10 hr life in boost mode |
| Sr. No. | 2273 Mid-Electronic Cable Route Locator Specifications |
| | Battery Life - 30 hours(normal output level) |
| | Output protection - 240 Vrms |
| | Transmitter output level:- 12W |
| | Typical battery life Normal output level: - 30 hours |
| | Volt & Ohm Meter measurement Functions with display |
| | Low Frequency Alarm for high loop resistance circuits |
| | Coupler for locating where access is not possible to Armor or Conductor :- Coupler / Clamp included |
| | External DC power - 9–18 V DC |
| | Output voltage (maximum) - 70 Vrms |
| | Rechargeable Battery |
| | Battery Level Indication |
| Accessories | |
| | Ground Rod - Stainless Steel |
| | Coupler Kit, consists of 3 in.Coupler, Coupler cable and pouch |
| | Direct-Connect Transmitter Cable, 3 m and 1.5 m in length |
| | Two clips for direct connect |
| | Operating Manual |
| | Environmental |
| | Operating temperature - (-20° C to 50° C) |
| | Storage temperature - (-20° C to 70° C) |
| | Standard - IP54 |

----- END OF DOCUMENT -----

