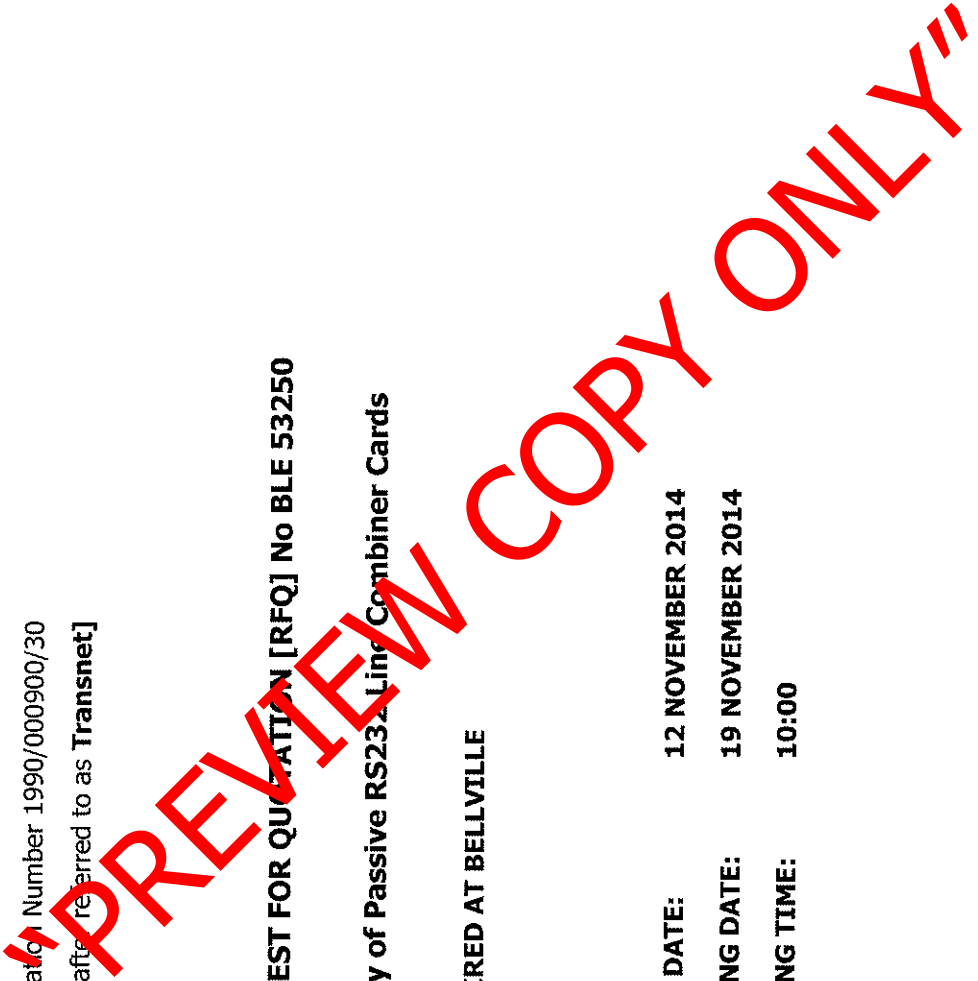


TFR, a division of

TRANSNET SOC LTD

Registration Number 1990/000900/30
[hereinafter referred to as **Transnet**]



REQUEST FOR QUOTATION [RFQ] No BLE 53250

Supply of Passive RS232 Line Combiner Cards

REQUIRED AT BELLVILLE

ISSUE DATE: 12 NOVEMBER 2014
CLOSING DATE: 19 NOVEMBER 2014
CLOSING TIME: 10:00

Respondent's Signature

Date & Company Stamp

Section 1
NOTICE TO BIDDERS

Quotations which must be completed as indicated in Section 2 of this RFQ are to be submitted as follows:

METHOD: Email to: Johanna.Kotze@transnet.net and Carol.Swan@transnet.net
CLOSING VENUE: SEE BELOW FOR CLOSING VENUE

Proposals must reach the Secretariat, Acquisition Council before the closing hour on the date shown below, and must be enclosed in a sealed envelope which must have inscribed on the outside:

RFQ No: BLE 53250

Description: Supply of RS232 Line Combiner Cards

Closing date and time: 19 November 2014 AT 10H00 Sharp

Closing address: [Refer to options in Delivery Instructions for RFQ below]

If delivered by hand, the envelope is to be deposited in the Transnet tender box which is located at the main entrance of Transnet Park, ROBERT SOBUKWE Road, Bellville, and should be addressed as follows:

THE SECRETARIAT
ACQUISITION COUNCIL
TRANSNET PARK
TENDER BOX
ROBERT SOBUKWE ROAD
BELLVILLE 7535

The measurements of the "tender slot" are 400mm wide x 100mm high, and Respondents must please ensure that response documents or files are no larger than the above dimensions. Responses which are too bulky [i.e. more than 100mm thick] must be split into two or more files, and placed in separate envelopes, each such envelope to be addressed as above.

Dispatch by courier

If dispatched by courier, the envelope must be addressed as follows and delivered to the Office of The Secretariat, Acquisition Council and a signature obtained from that Office:

THE SECRETARIAT
TRANSNET ACQUISITION COUNCIL
6TH FLOOR
TRANSNET PARK
ROBERT SOBUKWE ROAD
BELLVILLE

Please note that this RFQ closes punctually at **10:00 on Wednesday 19 November 2014.**

Respondent's Signature

Date & Company Stamp

1. If responses are not delivered as stipulated herein, such responses will not be considered and will be treated as "NON-RESPONSIVE" and will be disqualified.
2. No email or facsimile responses will be considered, unless otherwise stated herein.
3. The responses to this RFQ will be opened as soon as practicable after the expiry of the time advertised for receiving them.
4. Transnet shall not, at the opening of responses, disclose to any other company any confidential details pertaining to the Proposals / information received, i.e. pricing, delivery, etc. The names and locations of the Respondents will be divulged to other Respondents upon request.
5. Envelopes must not contain documents relating to any RFQ other than that shown on the envelope.

1 Responses to RFQ

Responses to this RFQ [Quotations] must not include documents or reference relating to any other quotation or proposal. Any additional conditions must be embodied in an accompanying letter.

2 Broad-Based Black Economic Empowerment [B-BBEE]

Transnet fully endorses and supports the Government's Broad-Based Black Economic Empowerment Programme and it would therefore prefer to do business with local business enterprises who share these same values. Transnet will accordingly allow a "preference" to companies who provide a valid B-BBEE Verification Certificate. All procurement transactions will be evaluated accordingly.

2.1 B-BBEE Scorecard and Rating

As prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations, Respondents are to note that the following preference point system is applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R1 000 000 (all applicable taxes included).
- Bidders are to note that if the 80/20 preference point system is stipulated in this RFP and all Bids received exceed R1 000 000.00, the RFP must be cancelled.

The value of this bid is estimated to be below R1000 000 (all applicable taxes included) and therefore the **80/20** system shall be applicable.

When Transnet invites prospective suppliers to submit Proposals for its various expenditure programmes, it requires Respondents to have their B-BBEE status verified in compliance with the Codes of Good Practice issued in terms of the Broad Based Black Economic Empowerment Act No. 53 of 2003.

The Department of Trade and Industry recently revised the Codes of Good Practice on 11 October 2013 [Government Gazette No. 36928]. The Revised Codes will replace the Black Economic Empowerment Codes of Good Practice issued on 9 February 2007. The Revised Codes provide for a one year transitional period starting 11 October 2013. During the transitional period, companies may elect to be measured in terms of the Revised Codes or the 2007 version of the Codes. After the first year of the implementation of the Revised Codes, B-BBEE compliance will be measured in

Respondent's Signature

Date & Company Stamp

terms of the Revised Codes without any discretion. Companies which are governed by Sector-specific Codes will be measured in terms of those Sector Codes.

As such, Transnet will accept B-BBEE certificates issued based on the Revised Codes. Transnet will also continue to accept B-BBEE certificates issued in terms of the 2007 version of the Codes provided it was issued before 10 October 2014. Thereafter, Transnet will only accept B-BBEE certificates issued based on the Revised Codes.

Respondents are required to complete Annexure A [the B-BBEE Preference Point Claim Form] and submit it together with proof of their B-BBEE Status as stipulated in the Claim Form in order to obtain preference points for their B-BBEE status.

Note: Failure to submit a valid and original B-BBEE certificate or a certified copy thereof at the Closing Date of this RFQ will result in a score of zero being allocated for B-BBEE.

[Refer to pages 18 and 19 below for Returnable Documents required]

3 Communication

- a) Respondents are warned that a response will be liable for disqualification should any attempt be made by a Respondent either directly or indirectly to canvass any officer(s) or employee of Transnet in respect of this RFQ between the closing date and the date of the award of the business.
- b) A Respondent may, however, before the closing date and time, direct any written enquiries relating to the RFQ to the following Transnet employee:

Name: Joseph Webber

Email: Joseph.Webber@transnet.net

- c) Respondents may also, at any time after the closing date of the RFQ, communicate with Carol Swan on any matter relating to its RFQ response:

Telephone 021 940-3846 Email Carol.swan@transnet.net

4 Tax Clearance

The Respondent's original and valid Tax Clearance Certificate must accompany the Quotation. Note that no business shall be awarded to any Respondent whose tax matters have not been declared by SARS to be in order.

5 VAT Registration

The valid VAT registration number must be stated here: _____ *[if applicable]*.

6 Legal Compliance

The successful Respondent shall be in full and complete compliance with any and all applicable national and local laws and regulations.

7 Changes to Quotations

Changes by the Respondent to its submission will not be considered after the closing date and time.

- 8 **Pricing:** All prices must be quoted in South African Rand on a fixed price basis, excluding VAT

Respondent's Signature

Date & Company Stamp

9 Prices Subject to Confirmation

Prices quoted which are subject to confirmation will not be considered.

10 Negotiations

Transnet reserves the right to undertake post-tender negotiations with selected Respondents or any number of short-listed Respondents.

11 Binding Offer

Any Quotation furnished pursuant to this Request shall be deemed to be an offer. Any exceptions to this statement must be clearly and specifically indicated.

12 Disclaimers

Transnet is not committed to any course of action as a result of its issuance of this RFQ and/or its receipt of a Quotation in response to it. Please note that Transnet reserves the right to:

- modify the RFQ's goods / service(s) and request Respondents to re-bid on any changes;
- reject any Quotation which does not conform to instructions and specifications which are detailed herein;
- disqualify Quotations submitted after the stated submission deadline;
- not necessarily accept the lowest priced Quotation;
- reject all Quotations, if so decided;
- place an order in connection with this Quotation at any time after the RFQ's closing date;
- award only a portion of the proposed goods / service/s which are reflected in the scope of this RFQ;
- split the award of the order/s between more than one Supplier/Service Provider; or
- make no award at all.

Transnet reserves the right to award business to the highest scoring bidder/s unless objective criteria justify the award to another bidder.

13 Transnet's supplier integrity pact

Transnet's Integrity Pact requires a commitment from suppliers and Transnet that they will not engage in any corrupt and fraudulent practices, anti-competitive practices, and act in bad faith towards each other. The Integrity Pact also serves to communicate Transnet's Gift Policy as well as the remedies available to Transnet where a Respondent contravenes any provision of the Integrity Pact.

Respondents are required to familiarise themselves with the contents of the Integrity Pact which is available on the Transnet Internet site [www.transnet.net/Tenders/Pages/default.aspx] or on request. Furthermore, Respondents are required to certify that they have acquainted themselves with all the documentation comprising the Transnet Integrity Pact and that they fully comply with all the terms and conditions stipulated in the Transnet Supplier Integrity Pact as follows:

YES	
-----	--

NO	
----	--

Respondent's Signature

Date & Company Stamp

Should a Respondent need to declare previous transgressions or a serious breach of law in the preceding 5 years as required by Annexure A to the Integrity Pact, such declaration must accompany the Respondent's bid submission.

14 Evaluation Criteria

Transnet will utilise the following criteria [not necessarily in this order] in choosing a Supplier/Service Provider, if so required:

Criterion / Criteria	Explanation
Administrative responsiveness	Completeness of response and returnable documents
Substantive responsiveness	Qualification criteria, if any, must be met and whether the Bid materially complies with the scope and/or specification given. Annexure A – Technical Compliance Sheet Quotations form Previous Projects with references
Functionality Threshold	As prescribed in terms of the Preferential Procurement Policy Framework Act (PPPFA), Act 5 of 2000 and its Regulations, Respondents are to note that functionality is included as threshold with a prescribed minimum percentage threshold of 60%. The minimum threshold of 60% must be met or exceeded for a Bidder's proposal to progress to the next stage of evaluation.
Final weighted evaluation based on 80/20 preference point system as indicated in paragraph 2	<ul style="list-style-type: none"> Pricing and price basis [firm] - whilst not the sole factor for consideration, competitive pricing and overall level of unconditional discounts¹ will be critical B-BBEE status of company - Preference points will be awarded to a bidder for attaining the B-BBEE status level

¹ Only unconditional discounts will be taken into account during evaluation. A discount which has been offered conditionally will, despite not being taken into account for evaluation purposes, be implemented when payment is effected.

Respondent's Signature

Date & Company Stamp

Preference points will be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (80/10 system)
1	20
2	18
3	16
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

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Respondent's Signature

Date & Company Stamp

Technical Evaluation Criteria/Questionnaire

The Technical criteria and maximum score in respect of each of the criteria are as follows:

Technical criteria	Sub-criteria Maximum number of Points	Checklist for submission Yes / No
1a) Is the company in the PC Board manufacturing Business, including the population of the boards	40%	
1b) State the amount of years in the business		
2a) Has the company manufactured these type of boards before	20%	
2b) List companies for whom boards was manufactured		
2c) State the amount of boards manufactured (> 50, > 100, > 250 and > 500)		
3a) Do the company have equipment and knowledge to test the board	40%	
3b) List the equipment and instruments that will be used in the testing procedure of the boards		

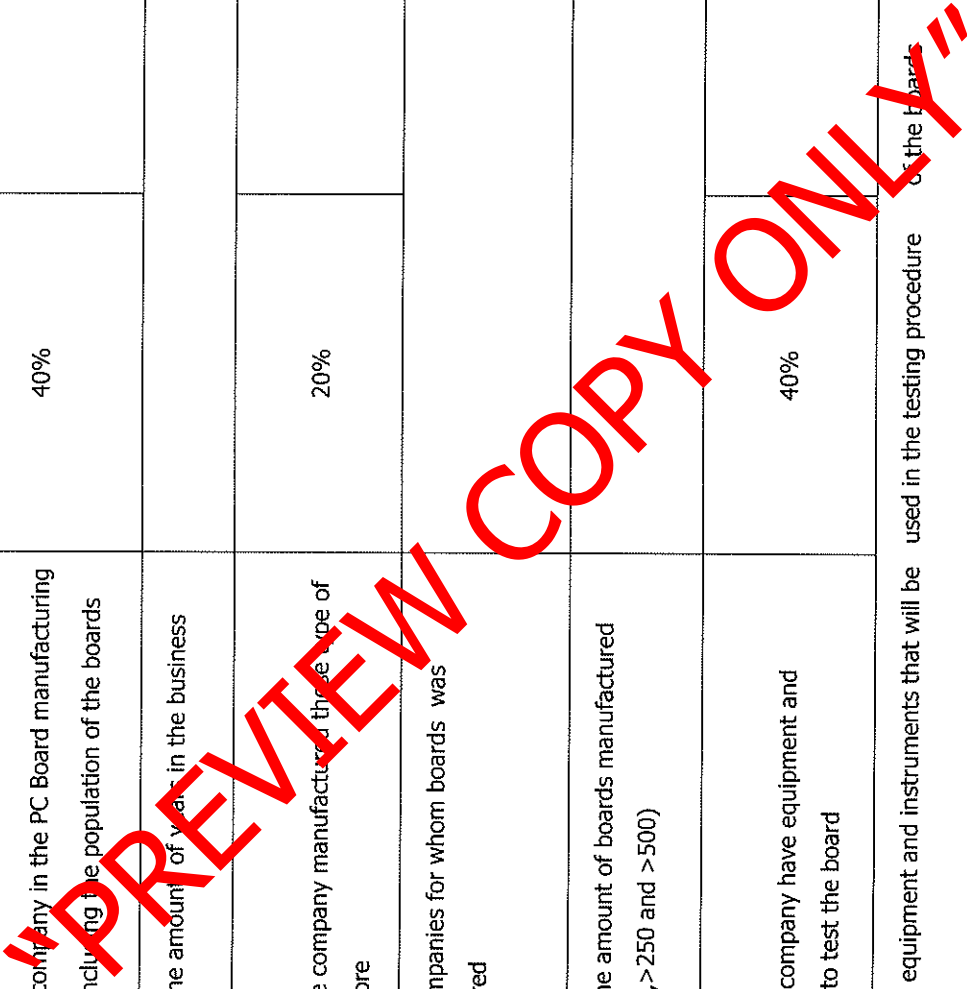
The minimum Threshold for technical criteria is 60%.

The minimum threshold of 60% must be met or exceeded for a Bidder's proposal to progress to the next stage of evaluation.

NB: Kindly ensure that you submit with your proposal all the required documentation for the technical criteria mentioned above.

Respondent's Signature

Date & Company Stamp



15 Validity Period

Transnet desires a validity period of 30 [thirty] days from the closing date of this RFQ.
 This RFQ is valid until _____.

16 Banking Details

BANK: _____
 BRANCH NAME / CODE: _____
 ACCOUNT HOLDER: _____
 ACCOUNT NUMBER: _____

17 Company Registration

Registration number of company / C.C. _____
 Registered name of company / C.C. _____

18 Disclosure of Prices Quoted

Respondents must indicate here whether Transnet may disclose their quoted prices and conditions to other Respondents:

YES NO

19 Returnable Documents

Returnable Documents means all the documents, Sections and Annexures, as listed in the tables below.

- a) Respondents are required to submit with their Quotations the **mandatory Returnable Documents**, as detailed below.

Failure to provide all these Returnable Documents at the Closing Date and time of this RFQ will result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these Documents are returned with their Quotations.

All Sections, as indicated in the footer of each page, must be signed, stamped and dated by the Respondent. Please confirm submission of these Returnable Documents by so indicating [Yes or No] in the table below:

Mandatory Returnable Documents	Submitted [Yes or No]
SECTION 2 : - Quotation Form Price Schedule Previous projects with references - Annexure A-Compliance Sheet	

 Respondent's Signature

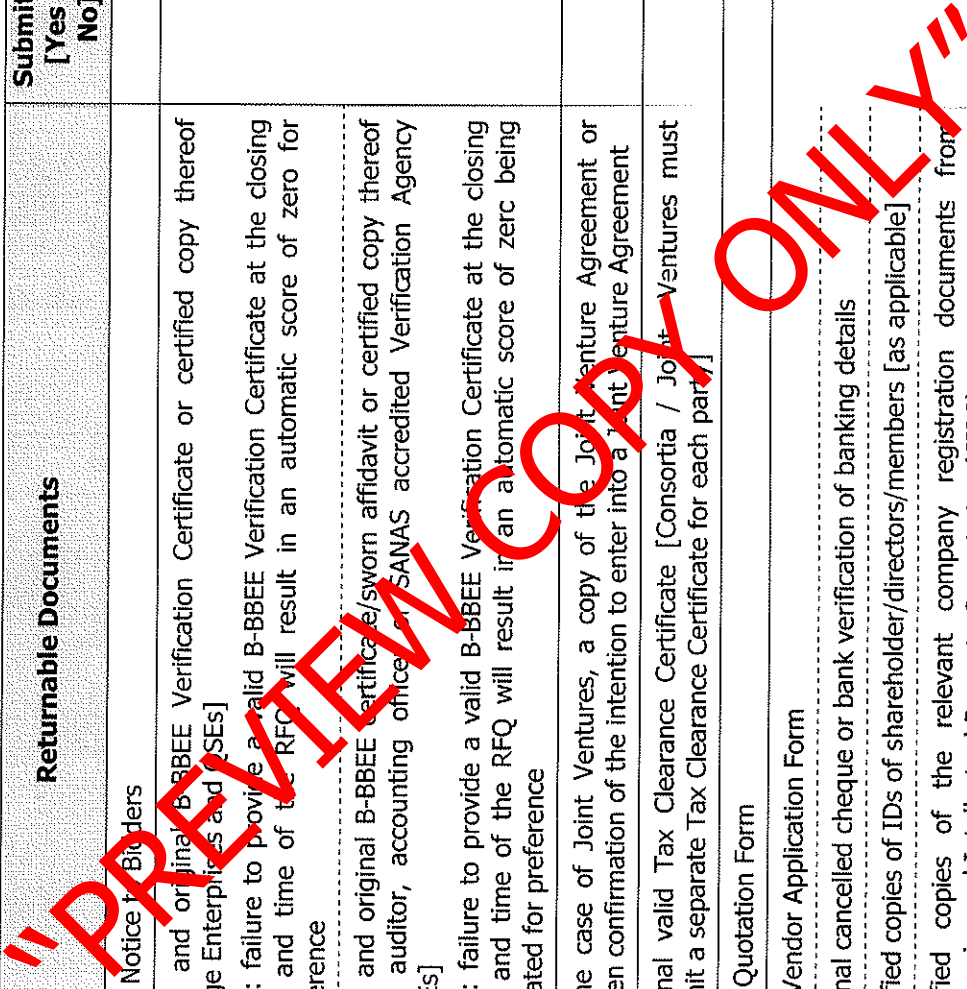
 Date & Company Stamp

b) Respondents are required to submit with their Quotations the **Returnable Documents**, as detailed below.

Failure to provide all these Returnable Documents at the Closing Date and time of this RFQ may result in a Respondent's disqualification. Respondents are therefore urged to ensure that all these Documents are returned with their Quotations.

All Sections, as indicated in the footer of each page, must be signed, stamped and dated by the Respondent. Please confirm submission of these Returnable Documents by so indicating [Yes or No] in the table below:

Returnable Documents	Submitted [Yes or No]
<p>SECTION 1 : Notice to Bidders</p> <ul style="list-style-type: none"> - Valid and original B-BBEE Verification Certificate or certified copy thereof [Large Enterprises and QSEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the RFQ will result in an automatic score of zero for preference - Valid and original B-BBEE certificate/sworn affidavit or certified copy thereof from auditor, accounting officer or SANAS accredited Verification Agency [EMEs] Note: failure to provide a valid B-BBEE Verification Certificate at the closing date and time of the RFQ will result in an automatic score of zero being allocated for preference 	
<ul style="list-style-type: none"> - In the case of Joint Ventures, a copy of the Joint Venture Agreement or written confirmation of the intention to enter into a Joint Venture Agreement - Original valid Tax Clearance Certificate [Consortia / Joint Ventures must submit a separate Tax Clearance Certificate for each party] 	
<p>SECTION 2 : Quotation Form</p>	
<p>SECTION 3: Vendor Application Form</p>	
<ul style="list-style-type: none"> • Original cancelled cheque or bank verification of banking details • Certified copies of IDs of shareholder/directors/members [as applicable] • Certified copies of the relevant company registration documents from Companies and Intellectual Property Commission (CIPC) • Certified copies of the company's shareholding/director's portfolio • Entity's letterhead • Certified copy of VAT Registration Certificate [RSA entities only] • Certified copy of valid Company Registration Certificate [if applicable] 	
<p>Letter of good standing</p>	



Respondent's Signature

Date & Company Stamp

Section 2
QUOTATION FORM

I/We _____ hereby offer to supply the goods/services at the prices quoted in the Price Schedule below, in accordance with the conditions related thereto.

I/We agree to be bound by those terms and conditions in:

- the Standard Terms and Conditions for the Supply of Goods or Services to Transnet [available on request]; and
- any other standard or special conditions mentioned and/or embodied in this Request for Quotation.

I/We accept that unless Transnet should otherwise decide and so inform me/us, this Quotation [and, if any, its covering letter and any subsequent exchange of correspondence], together with Transnet's acceptance thereof, shall constitute a binding contract between Transnet and me/us.

I/We further agree that if, after I/we have been notified of the acceptance of my/our Quotation, I/we fail to deliver the said goods/services within the delivery lead-time quoted, Transnet may, without prejudice to any other legal remedy which we may have, cancel the order and recover from me/us any expenses incurred by Transnet in calling for quotations afresh and/or having to accept any less favourable offer.

Price Schedule

I/We quote as follows for the goods required, to be delivered at Transnet Freight Rail, Bellville" on an as and when required basis, excluding VAT:

PRODUCTS AND ESTIMATED CONSUMPTION:

PRODUCT	QUANTITY	AMOUNT
DESCRIPTION	FOR 6 MONTHS	BRAND TYPE
Passive RS232 Line Combiner Board-BBD7050	40	
Active RS232 Line Combiner Board – BBBF9036	22	
Testing of the Boards	62	
Delivery of equipment to Bellville	ALL	
TOTAL (EXCLUDING VAT)		

Delivery Lead-Time from date of purchase order : _____ **[days/weeks]**

Respondent's Signature

Date & Company Stamp

Notes to Pricing:

- a) All Prices must be quoted in South African Rand, exclusive of VAT
- b) To facilitate like-for-like comparison bidders must submit pricing strictly in accordance with this price schedule and not utilise a different format. Deviation from this pricing schedule could result in a bid being disqualified.
- c) Please note that should you have offered a discounted price(s), Transnet will only consider such price discount(s) in the final evaluation stage if offered on an unconditional basis.

PERFORMANCE RECORD/REFERENCES

Please indicate below the company names and contact details of existing customers whom Transnet may contact to seek third party evaluations of your current service levels:

LIST OF REFERENCES	Name of company	Contact Person and details	Description of service	Project size in value and or Quantities

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 Respondent's Signature

 Date & Company Stamp

Section 3

STANDARD TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS OR SERVICES TO TRANSNET

A Supplier/Service Provider shall be obliged to adhere to the Standard Terms and Conditions for the Supply of Goods and Services to Transnet as expressed hereunder. Should the Respondent find any condition(s) unacceptable, it should indicate which condition(s) is/are unacceptable and offer an alternative(s). A Quotation submitted by a Respondent will be subjected to review and acceptance or rejection of its proposed contractual terms and conditions by Transnet's Legal Counsel, prior to consideration for an award of business.

1 SOLE AGREEMENT

Unless otherwise agreed in writing, these terms [Terms and each Term] and Transnet's purchase order(s) [Order or Orders] represent the only conditions upon which Transnet SOC Ltd [Transnet] procures goods [the Goods] or services [the Services] specified in the Order from the person to whom the Order is addressed [the Supplier/Service Provider]. Transnet does not accept any other conditions which the Supplier/Service Provider may specify, unless otherwise agreed to by Transnet in writing. In the event of any inconsistency between these Terms and any Order, these Terms shall take precedence.

2 CONFORMITY WITH ORDER

Goods/Services shall conform strictly with the Order. The Supplier/Service Provider shall not vary the quantities specified and/or the specifications, if any, stipulated in the Order, without the prior written consent of Transnet. The Supplier/Service Provider warrants that the Goods/Services shall be fit for their purpose and of satisfactory quality.

3 DELIVERY AND TITLE

- 3.1 The delivery dates and addresses are those in the Order. Transnet shall be of the essence in respect of the Supplier's/Service Provider's obligations under the Order.
- 3.2 The Supplier/Service Provider will not be excused for delay in delivery or performance except due to circumstances outside its control and then only subject to the Supplier/Service Provider having notified Transnet in writing on becoming aware of such circumstances. Transnet may terminate an Order, in whole or in part, without incurring any liability to the Supplier/Service Provider if such a delay becomes, in Transnet's absolute opinion, significant.
- 3.3 If on delivery, the Goods/Services do not conform to the Order, Transnet may reject the Goods/Services and the Supplier/Service Provider shall promptly rectify any defects or in Transnet's opinion, supply appropriate replacement Goods/Services at the Supplier's/Service Provider's expense within the specified delivery times, without any liability due by Transnet.

4 PRICE AND PAYMENT

- 4.1 Prices specified in an Order cannot be increased. Payment for the Goods/Services shall be made by Transnet against an original undisputed invoice(s) [a Tax Invoice], supporting documentation and month-end statement from the Supplier/Service Provider. Tax Invoices plus supporting documentation shall be posted to the address shown in the Order.

Respondent's Signature

Date & Company Stamp

- 4.2 Payment of the Supplier's/Service Provider's valid Tax Invoice(s) will be made by Transnet in the South African currency and on the terms stated in the Order, the standard payment terms being 30 [thirty] days from date of receipt by Transnet of a month-end statement, unless otherwise agreed to in writing. Transnet shall arrange for payment of such Tax Invoices and any pre-authorised additional expenses incurred, provided that the authorised expenses are supported by acceptable documentary proof of expenditure incurred [where this is available]. Any amounts due in terms of these Terms shall be paid to the Supplier/Service Provider, taking into account any deduction or set-off and bank charges.

5 PROPRIETARY RIGHTS LIABILITY

If any allegations should be made or any claim asserted against Transnet that ownership of, or any act or omission by Transnet in relation to Goods/Services or any written material provided to Transnet relating to any Goods/Services or pursuant to an Order being a violation or infringement of any third party's contractual, industrial, commercial or intellectual property rights including but not limited to any patent, registered design, design right, trade mark, copyright or service mark on any application thereof, the Supplier/Service Provider hereby indemnifies Transnet against and hold it harmless from any and all losses, liabilities, costs, claims, damages and expenses [including any legal fees] arising directly or indirectly from such allegation or claim provided that this indemnity shall not apply where the allegation or claim arises solely as a result of the Supplier/Service Provider following a design or process originated and furnished by Transnet. The Supplier/Service Provider shall either

- a) procure for Transnet the right to continue using the infringing Goods; or
- b) modify or replace the Goods/Services so that they become non-infringing,

provided that in both cases the Goods/Services shall continue to meet Transnet's requirements and any specifications stipulated in the Order. Should neither option be possible, the Supplier/Service Provider may remove, with Transnet's prior written consent, such Goods/Services and will pay to Transnet a sum equivalent to the purchase price. If Transnet refuses to give such consent, the Supplier/Service Provider shall have no liability in respect of any continued use of the infringing Goods/Services after Supplier's/Service Provider's prior written request to remove the same.

6 PROPRIETARY INFORMATION

All information which Transnet has divulged or may divulge to the Supplier/Service Provider and any information relating to Transnet's business which may have come into the Supplier's/Service Provider's possession whilst carrying out an Order, and the existence of the Order, shall be treated by the Supplier/Service Provider as confidential information and shall not, without Transnet's prior written consent, be disclosed to any third party, or be used or copied for any purposes other than to perform the Order. This clause does not apply to information which is public knowledge or available from other sources other than by breach of this Term. Upon request by Transnet, the Supplier/Service Provider shall return all materials issued pursuant to the Order and, pending this, shall protect Transnet's rights in any such materials. Such confidential information shall at all material times be the property of Transnet.

Respondent's Signature

Date & Company Stamp

7 PUBLICITY

The Supplier/Service Provider shall not name Transnet or use its trademarks, service marks [whether registered or not] or Goods in connection with any publicity without Transnet's prior written consent.

8 TERMINATION OF ORDER

8.1 Transnet may cancel an Order in whole or in part at any time upon at least 7 [seven] days' written notice to the Supplier/Service Provider, or when there is a change in control of the Supplier/Service Provider or the Supplier/Service Provider commits any serious breach or any repeated or continued material breach of its obligations under these Terms and/or Order or shall have been guilty of conduct tending to bring itself into disrepute, on written notice to the Supplier/Service Provider when such work on the Order shall stop.

8.2 Transnet shall pay the Supplier/Service Provider a fair and reasonable price for justified work in progress where such price reflects only those costs not otherwise recoverable by the Supplier/Service Provider, at the time of termination, and the Supplier/Service Provider shall give Transnet all assistance to check the extent of such work in progress. Payment of such price shall be in full and final satisfaction of any claims arising out of such termination and upon such payment the Supplier/Service Provider shall deliver to Transnet all work, including any materials, completed or in progress. The sum payable to the Supplier/Service Provider under this clause will not in any event exceed the total amount that would have been payable to the Supplier/Service Provider had the Order not been terminated.

8.3 In the event of termination the Supplier/Service Provider must submit all claims within 2 [two] months of termination after which time claims will only be met in what Transnet considers exceptional circumstances.

8.4 If the Goods or Services are not provided in accordance with an Order, the Order shall be deemed terminated and the Supplier/Service Provider shall compensate Transnet for any costs incurred in obtaining substitute Goods or any damage caused due to the failure or delay in the delivery.

9 ACCESS

The Supplier/Service Provider shall be liable for the acts, omissions and defaults of its personnel or agents who, for the purposes of the Order, shall be treated as if they are the Supplier/Service Provider's employees. The Supplier/Service Provider shall ensure that any such personnel or agents, whilst on Transnet's premises, shall comply with Transnet's health and safety, security and system security rules and procedures as and where required.

10 WARRANTY

The Supplier/Service Provider warrants that it is competent to supply the Goods/Services in accordance with these Terms to the reasonable satisfaction of Transnet and that all Goods/Services delivered under the Order: (a) conform and comply in all relevant legislation, standards, directives and orders related to [inter alia] the Services in force at the time of delivery, and to any specifications referred to in the Order; (b) will not cause any deterioration in the functionality of any Transnet equipment; and (c) do not infringe any third party rights of any kind. The Supplier/Service Provider hereby indemnifies Transnet against all losses, liabilities, costs, claims, damages, expenses and awards of any kinds incurred or made against Transnet in connection with any breach of this warranty.

Respondent's Signature

Date & Company Stamp



SECTION 4

VENDOR APPLICATION FORM

Respondents are to furnish the following documentation: and complete the Vendor Application Form below:

1. **Original** cancelled cheque **OR** letter from the Respondent's bank verifying banking details [with bank stamp]
2. **Certified** copy of Identity Document(s) of Shareholders/Directors/Members [where applicable]
3. **Certified copies** of the relevant company registration documents from Companies and Intellectual Property Commission (CIPC)
4. **Certified copies** of the company's shareholding/director's portfolio
5. A letter on the company's letterhead confirm physical and postal addresses
6. **Original** valid SARS Tax Clearance Certificate
7. **Certified copy** of VAT Registration Certificate
8. **A valid and original** B-BBEE Verification Certificate / sworn affidavit **or certified copy** thereof meeting the requirements for B-BBEE compliance as per the B-BBEE Codes of Good Practice
9. **Certified copy** of valid Company Registration Certificate [if applicable]

Vendor Application Form

Company trading name	
Company registered name	
Company Registration Number or ID Number if a Sole Proprietor	
Form of entity [V]	CC
	Trust
	Pty Ltd
	Limited
	Partnership
	Sole Proprietor
VAT number [if registered]	
Company telephone number	
Company fax number	
Company email address	
Company website address	
Bank name	Branch & Branch code

Respondent's Signature

Date & Company Stamp

Account holder	Bank account number
Postal address	Code
Physical Address	Code
Contact person	
Designation	
Telephone	
Email	
Annual turnover (R) [last financial year]	> R35 m
Does your company provide	R5 - 35 m
Area of delivery	Services
Is your company a public or private entity	Both
Does your company have a tax certificate or IRP30 Certificate	Provincial
Main product or services [e.g. Stationery/Consulting]	Local
	Public
	Yes
	Private
	No

Complete B-BBEE Ownership Details:

% Black ownership	% Black women ownership	% Disabled Black ownership	% Youth ownership
Does your entity have a B-BBEE certificate	Does your entity have a B-BBEE certificate	What is your B-BBEE status [Level 1 to 9 / Unknown]	Yes
How many personnel does the entity employ	Permanent	Part time	No

If you are an existing Vendor with Transnet please complete the following:

Transnet contact person
Contact number
Transnet Operating Division

Duly authorised to sign for and on behalf of Company / Organisation:

Name	Designation
Signature	Date

Respondent's Signature

Date & Company Stamp

By signing this RFQ document, the Respondent is deemed to acknowledge that he/she has made himself/herself thoroughly familiar with all the conditions governing this RFQ, including those contained in any printed form stated to form part hereof and Transnet SOC Ltd will recognise no claim for relief based on an allegation that the Respondent overlooked any such condition or failed to properly take it into account for the purpose of calculating quoted prices or otherwise.

SIGNED at _____ on this _____ day of _____ 2014

.....
SIGNATURE OF RESPONDENT'S AUTHORISED REPRESENTATIVE

NAME: _____

DESIGNATION: _____

REGISTERED NAME OF COMPANY: _____

PHYSICAL ADDRESS: _____

Respondent's contact person: *[Please complete]*

Name :	
Designation :	
Telephone :	
Cell Phone :	
Facsimile :	
Email :	
Website :	

Respondent's Signature

Date & Company Stamp



SEPTEMBER 2014 – CC14092

SCHEDULE OF REQUIREMENTS FOR RS232 LINE COMBINER BOARDS**1. SCOPE**

The schedule covers the requirements of Transnet Freight Rail for the manufacturing, testing and supply of two types of RS232 Line Combiner Boards:

- 1.1. Passive RS232 Line Combiner Board – **BBD7050**
- 1.2. Active RS232 Line Combiner Board – **BBF9036**

The equipment must comply with all the specifications and requirements as listed below. The specification will be attached to the request for quotation.

2. SPECIFICATIONS ON THE BBD7050 BOARD

- 2.1. This is a *Passive RS232 Line Combiner Board*.
- 2.2. All the requirements and detail required for a quotation are available in the following specifications:

- 2.2.1. BBD7052 Version 1 – Material list
 - 2.2.2. BBD7052 Version 1 – General description
 - 2.2.3. BBD7054 Version 1 – Circuit diagram
- 2.3. The approximate size of the printed circuit board is 50 mm x 70 mm.
 - 2.4. All the information required to manufacture the printed circuit boards (gerber files) will be provided to the successful tenderer.

3. SPECIFICATIONS ON THE BBF9036 BOARD

- 3.1. This is an *Active RS232 Line Combiner Board*.
- 3.2. All the requirements and detail required for a quotation are available in the following specifications:
 - 3.2.1. BBF9037 Version 1 – Material list
 - 3.2.2. BBF9038 Version 1 – General description
 - 3.2.3. BBF9036 Version 1 – Circuit diagram
- 3.3. The approximate size of the printed circuit board is 50 mm x 70 mm.
- 3.4. All the information required to manufacture the printed circuit boards (gerber files) will be provided to the successful tenderer.

4. QUOTATION REQUIREMENTS

- 4.1. The quotation must include the following:
 - 4.1.1. Manufacturing of the printed circuit boards.
 - 4.1.2. Supply of all the spares and material.
 - 4.1.3. Population of the printed circuit boards.
 - 4.1.4. Testing of the boards.
- 4.2. The completion and return of **Annexure-A**.

5. OWNERSHIP AND USE OF INFORMATION

All the specification, information and files provided is the ownership of Transnet Freight Rail and may not be use or distributed without the permission of Transnet.

- #### 6. WARRANTY
- 6.1. The boards must carry a manufacturer's warranty.
 - 6.2. The warranty must give Transnet a six month grace period to test the boards for functionality.
 - 6.3. Faulty boards will be returned to the manufacturer for warrant repairs.

7. QUANTITIES OF EQUIPMENT TO SUPPLY

Item	Description	Quantity
1	Passive RS232 Line Combiner Board – BBI 7050	40
2	Active RS232 Line Combiner Board – BBI 9636	22
3	Testing of the Boards	62
4	Delivery of equipment to Bellville	All

This is the end of this schedule of requirements.



TRANSNET
freight rail

A Division of Transnet Limited

TECHNOLOGY MANAGEMENT

GENERAL DESCRIPTION

PASSIVE RS232 LINE COMBINER WITH LED INDICATIONS

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Author: Engineering Technician
Technology Management

Approved: Senior Engineer
Technology Management

Authorised: Principal Engineer
Technology Management

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Circulation Restricted To:

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2	APPLICABLE DOCUMENTS
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6	SPECIFICATION
7	TYPICAL CONFIGURATIONS
8	TESTING

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1 REVISION HISTORY

Revision	Date	Section Affected
1xa	20 October 2009	ALL(Draft)
1	10 September 2014	Final

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2 APPLICABLE DOCUMENTS

Document No	Category	Issue No	Title
BBF 9036		1	ACTIVE RS232 COMBINER
BBD 6327		1	PASSIVE RS232 LINE COMBINER

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3 BACKGROUND

The passive RS232 line combiner (BBD6327) was developed to be used as a multi-drop function in CS90 applications in conjunction with FLEXMUX system as used in relay rooms. It can split one RS232 line into three separate lines, and combine the three lines back to one line. It can only be used with a full-duplex protocol where you have the master system polling and only one of the slaves responding. The need arose to have indications available that will indicate transmit and receive activity on all four ports.

4 DESCRIPTION

The passive RS232 line combiner with LED indication (BBD7050) has the same functionality as the passive RS232 line combiner (BBD6327) and solves the indication problem by giving a TX/RX indication on all four ports. When a split to more than 3 ports are needed, use the passive RS232 line combiner with LED indication (BBD7050) in conjunction with the active line combiner (BBF9030) as illustrated in diagram 3. Care must be taken when using this card, as all the respective grounds will be connected together!

Led indications:

- D4: Office transmitting
- D6: Field 1 transmitting
- D8: Field 2 transmitting
- D10: Field 3 transmitting
- D5: Office receiving
- D7: Field 1 Receiving
- D9: Field 2 Receiving
- D11: Field 3 Receiving

BBD 7050 Board layout:

- P1 – Office connection
- P2 – Field 1 connection
- P3 – Field 2 connection
- P4 – Field 3 connection

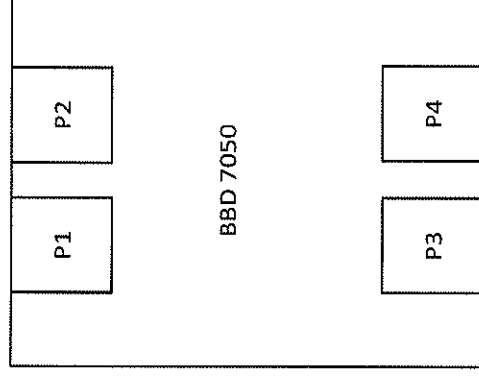


Diagram 1

5 WIRING

P1 Office Connection:

Pin 1: VCOM (If needed, a separate supply can be distributed between pins 1 on P1 – P4 connectors)

Pin 2: Transmitter output

Pin 3: Receiver input

Pin 4: No Connection

Pin 5: Ground

Pin 6: No Connection

P2 Field 1 Connector:

Pin 1: VCOM (If needed, a separate supply can be distributed between pins 1 on P1 – P4 connectors)

Pin 2: Transmitter output

Pin 3: Receiver input

Pin 4: No Connection

Pin 5: Ground

Pin 6: No Connection

P3 Field 2 Connector:

Pin 1: VCOM (If needed, a separate supply can be distributed between pins 1 on P1 – P4 connectors)

Pin 2: Transmitter output

Pin 3: Receiver input

Pin 4: No Connection

Pin 5: Ground

Pin 6: No Connection

P4 Field 3 Connector:

Pin 1: VCOM (If needed, a separate supply can be distributed between pins 1 on P1 – P4 connectors)

Pin 2: Transmitter output

Pin 3: Receiver input

Pin 4: No Connection

Pin 5: Ground

Pin 6: No Connection

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6 SPECIFICATION

EMS Protection: provided by 600W Tranzorb on all 4 ports.

RS232 lines: 4

7 TYPICAL CONFIGURATIONS

Single card:

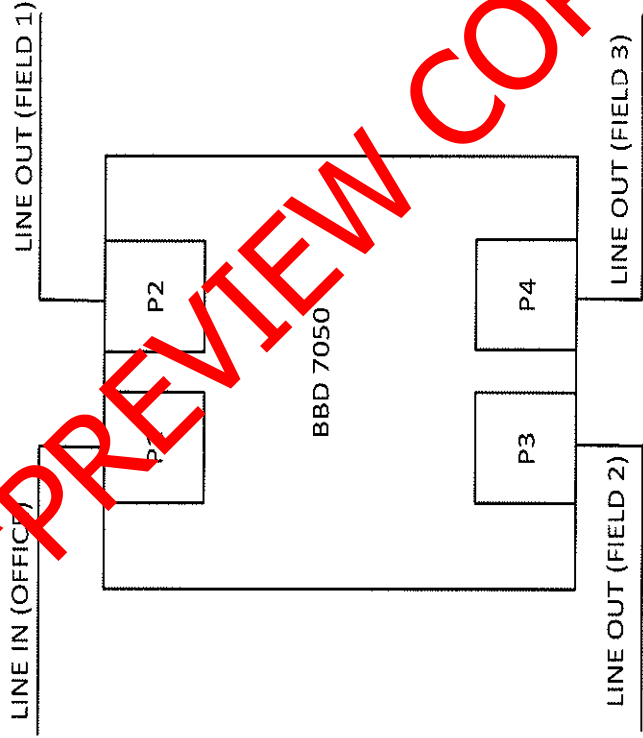


Diagram 2

In conjunction with BBF9036:

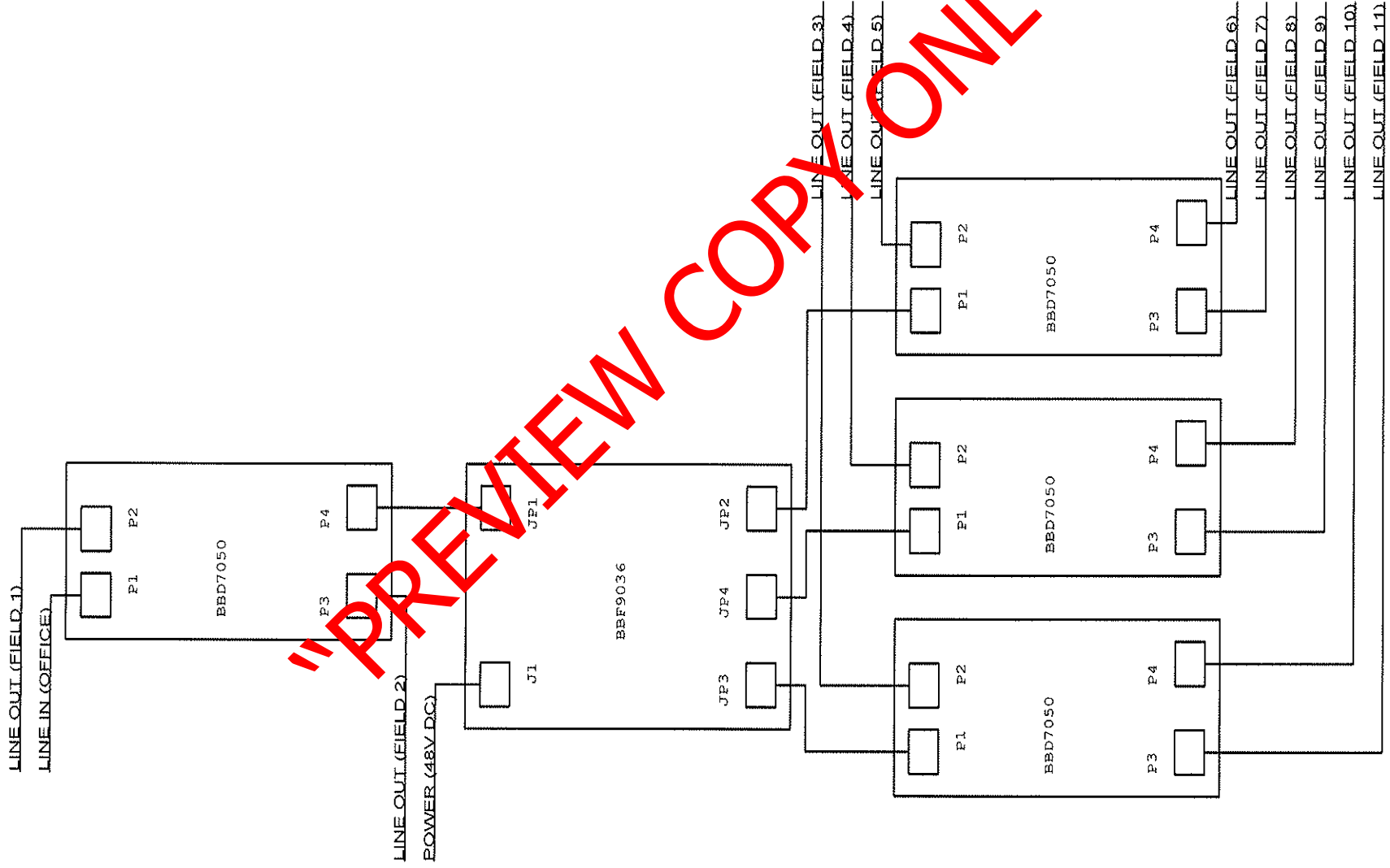


Diagram 3

8 TESTING

Equipment needed:

- Data signal generator, setup to 19200 Baud, no parity, 1 stop bit.
- Oscilloscope.

Test 1: Inject a RS232 data signal into pin 3 (Receiver input) of P1 connector. This signal should be observed at pin 2 (Transmitter out) of P2, P3 and P4. If it is not correct or not within the RS232 specification, the card is faulty and should be repaired.

Test 2: The same signal should then be injected at pin 3 (Receiver input) of P2, the signal should be observed at pin 2 (Transmitter out) of P1, if it is not correct or not within the RS232 specification, the card is faulty and should be repaired.

Test 3: The same signal should then be injected at pin 3 (Receiver input) of P3, the signal should be observed at pin 2 (Transmitter out) of P1, if it is not correct or not within the RS232 specification, the card is faulty and should be repaired.

Test 4: The same signal should then be injected at pin 3 (Receiver input) of P4, the signal should be observed at pin 2 (Transmitter out) of P1, if it is not correct or not within the RS232 specification, the card is faulty and should be repaired.

If all of the above test are successful, the card is working properly and is ready to be used.

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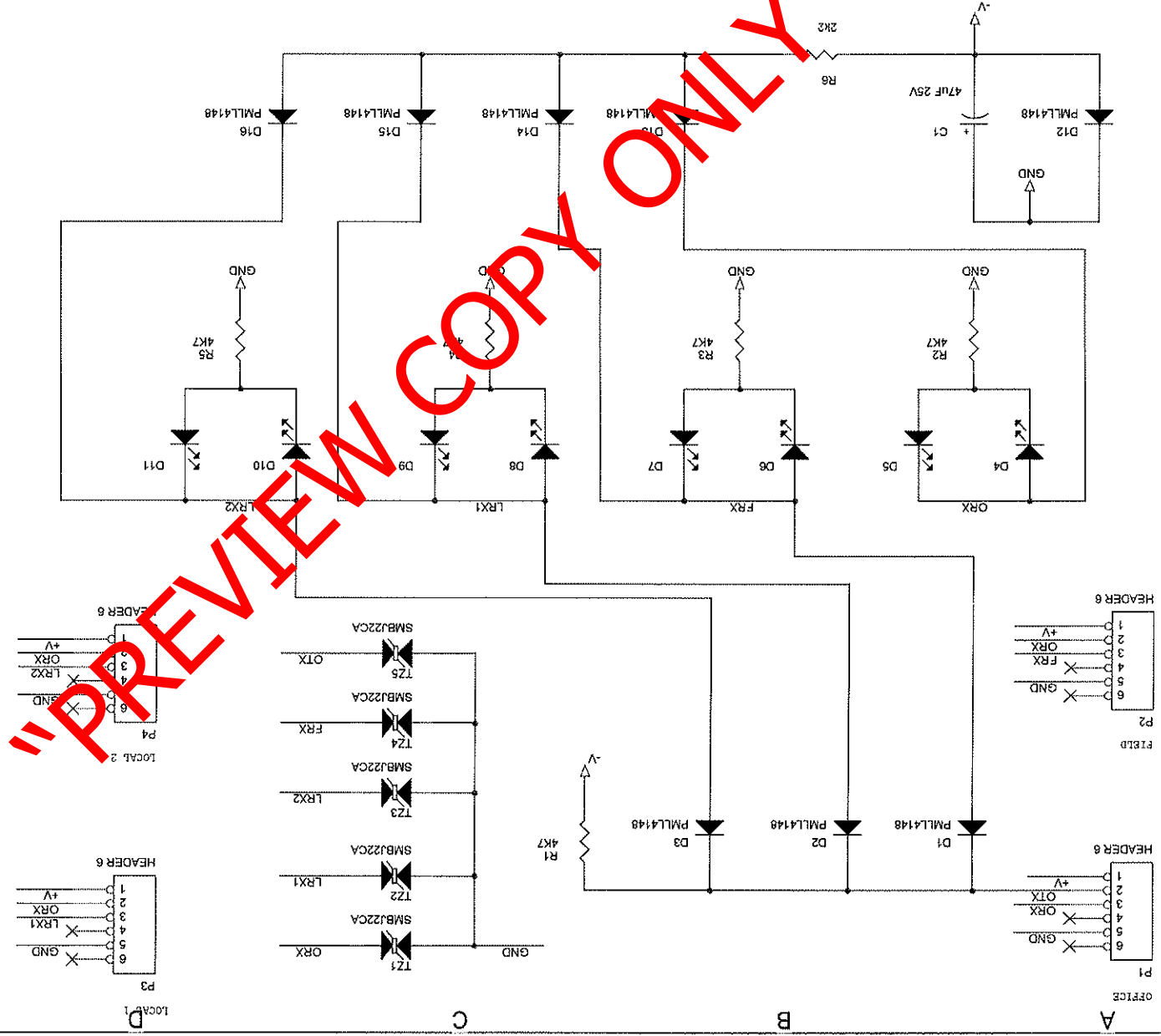


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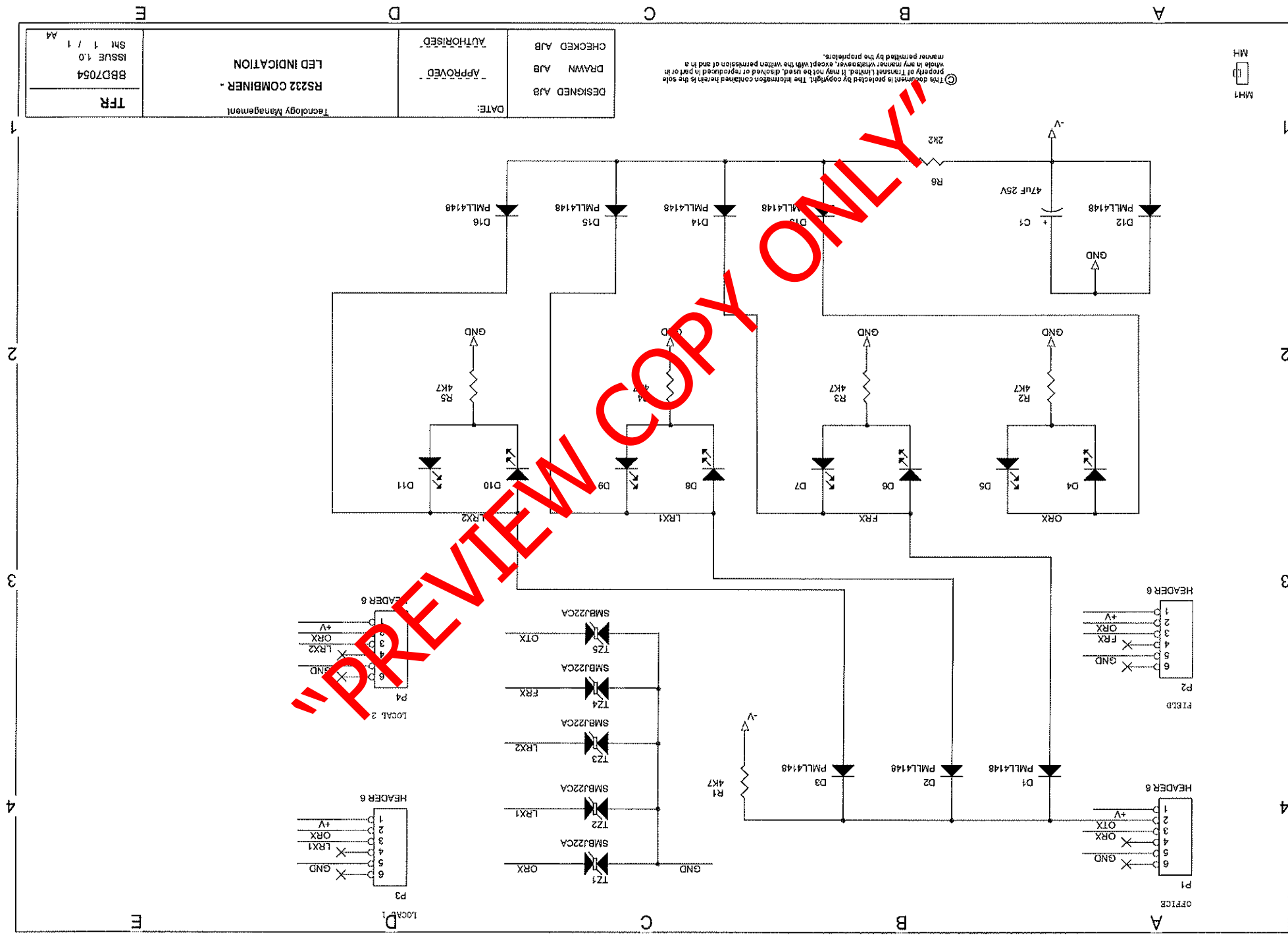
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CHECKED AJB	

DATE: _____
RS232 COMBINER - LED INDICATION
 Technology Management

TFR	BBD7054
	ISSUE 1.0
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CONFIGURATION MANAGEMENT MATERIAL LIST

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This is a controlled bill of material of documents, titles / descriptions, quantities, stores items with itemised reference to an assembly drawing.

RS232 COMBINER WITH LED INDICATIONS

THIS MATERIAL LIST NO.:
BBD7052 Version 1Xa

Version Info:			
Item	Title / Description	Qty	Part No. Reference Number
1.	Empty PCB	1	BBD7056
2.	High brightness Red led -- SM 0805	4	D4, D6, D8, D10
3.	High brightness Green led -- SM 0805	4	D5, D7, D9, D11
4.	Signal diode -- SOD80	8	PMLL4148L D1-D3, D12-D16
5.	Transorb -- SM D0-214AA	5	SMBJ22CA - Fairchild TZ1-TZ5
6.	2K2 resistor 2% -- SM 0805	1	R6
7.	4K7 resistor 2% -- SM 0805	4	R2-R5
8.	3K3 resistor 2% -- SM 0805	1	R1
9.	Modular jack right angle 6 circuit 6 contacts (RJ11)	4	Similar to Molex type 95001-2661 or URNI MJL series product code 133620 Low profile P1-P4
10.	Modular plug 6/6	4	Similar to Molex type 90075-0007 if required
11.	47uF 25V electrolytic capacitor -- SM size D (6.6x6.6mm)	1	C1
12.	Mounting Plate	1	Phoenix EM-MP 45N
13.	M4 x 16mm nylon bolt	4	
14.	M4 galvanised nut	4	
15.	Nylon Spacer tube ID=4.5mm, OD=8mm, L=5mm	4	
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Author

Approved/Authorised

Date

NB! Insert rows above the last line if needed. Headings will subsequently repeat. Update page numbers.



ANNEXURE -- A

**TECHNICAL SPECIFICATIONS - COMPLIANCE SHEET
MANDATORY DOCUMENT**

Bidders must complete this Annexure-A. Must be submitted with the quotation:

Item	Specification	Yes	No
1a	Is the company in the PC-board manufacturing business, including the population of the boards	Yes	No
1b	State the amount of years in the business		
2a	Has the company manufactured these type of boards before	Yes	No
2b	List companies for whom boards was manufactured:		
2c	State the amount of boards manufactured (> 50, > 100, > 250 and > 500)		
3a	Do the company have the equipment and knowledge to test the boards	Yes	No
3b	List the equipment and instruments that will be used in the testing procedure of the boards:		

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Respondent's Signature

Date & Company Stamp