

**BEML LIMITED**

(A Govt. of India Mini Ratna Company under Ministry Of Defence)  
BANGALORE COMPLEX, POST BOX: 7501, NEW THIPPASANDRA POST,  
BANGALORE-560075

**NOTICE INVITING TENDER**

**BEML SRM E-Tender No: 6300039970 dated 26/09/2025; Due date 13/10/2025 @ 5 PM**

**Subject: Procurement of “Cab Side Window Glass & Frame Assy” for Standard Gauge High Speed Train Project (Chair Car - Design/Operating Speed 280/249 kmph).**

**This Tender consists of the following documents:**

- (a) Notice Inviting Tender (NIT)
- (b) Non-Disclosure Agreement
- (c) PTS ref: FPIIC/TD/063 dated 16/09/2025
- (d) Clause by Clause Compliance format against PTS
- (e) ReverseAuction\_RFQ (Applicable in case Reverse Auction Event is conducted)

**Prebid Meeting:** Pre-bid meeting will be scheduled **after 7 days from the date of publishing the tender** at BEML, Bangalore Complex/ Video Conference.

Bidders may submit their queries on the NIT document, if any, by email to [ravikumar.adepu@bemltd.in](mailto:ravikumar.adepu@bemltd.in) / [Prasanna.n@bemltd.in](mailto:Prasanna.n@bemltd.in) or contact on 080-25022639 / 080-25022634

Quotations are invited from Original Equipment Manufacturer (OEM) for Railway Rolling stock having experience in design, manufacturing, testing and commissioning in accordance with the enclosed terms and conditions by the due date mentioned below”

Quotations should be submitted in Two-Bid system in BEML SRM portal as below:

- 1) **Technical Bid**
- 2) **Commercial Bid**

**Enclosure :** As above.

**Note: - The tender consists of 45 no. of pages including this page.**

No representation would be entertained on any errors if found in the NIT. However, vendors to bring such errors/omissions to the notice of BEML for necessary corrective action.

**TABLE OF CONTENTS**

<b>S No.</b>	<b>Description</b>	<b>Page Nos.</b>
<b>1</b>	<b>Notice Inviting Tender</b>	<b>1</b>
<b>2</b>	<b>Table of Contents</b>	<b>2</b>
<b>3</b>	<b>Details of Tender</b>	<b>3-5</b>
<b>4</b>	<b>Submission of Technical Bid</b>	<b>6</b>
<b>5</b>	<b>Submission of Commercial Bid</b>	<b>7</b>
<b>6</b>	<b>Annexure – VI: General Terms &amp; Conditions</b>	<b>8-25</b>
<b>7</b>	<b>Appendix A : Integrity Pact agreement</b>	<b>26-31</b>
<b>8</b>	<b>Appendix B: Compliance for submission of Non-Disclosure Agreement</b>	<b>32</b>
<b>9</b>	<b>Appendix C: Compliance report of General Terms &amp; Conditions &amp; Annexure-X</b>	<b>33-35</b>
<b>10</b>	<b>Appendix D: Performance Bank Guarantee</b>	<b>36-37</b>
<b>11</b>	<b>Appendix E: Confidential Agreement</b>	<b>38</b>
<b>12</b>	<b>Appendix F: MII (Make in India), Local content declaration</b>	<b>39</b>
<b>13</b>	<b>Appendix G: Compliance to Land Border Certificate Clause</b>	<b>40</b>
<b>14</b>	<b>Appendix H: Compliance to Qualification / Eligibility Criteria</b>	<b>41-42</b>
<b>15</b>	<b>Appendix I: Compliance to PTS</b>	<b>43</b>
<b>16</b>	<b>List of documents attached with the tender</b>	<b>44</b>
<b>17</b>	<b>Pre-Bid Meeting</b>	<b>45</b>

**DETAILS OF THE TENDER**

1. This "Notice Inviting Tender" hereinafter referred to as the 'NIT' is designated as the tender for **Procurement of "Cab Side Window Glass & Frame Assy" for Standard Gauge High Speed Train Project (Chair Car - Design/Operating Speed 280/249 kmph).**
2. The Bidders are advised to carefully go through the General Terms and Conditions that has been enclosed along with this NIT.
  - a. All entries in the NIT shall be in English either typed or written legibly. Erasing, over-writings and use of correction fluids are not permitted. All cancellations and insertions if any should be duly signed / attested by bidder concerned.
  - b. All the documents shall be uploaded in BEML SRM Platform.
  - c. In case, it comes to the knowledge of BEML that the bidder has submitted false information before awarding of contract then the offer would be rejected.
  - d. In the event, it comes to the knowledge of BEML that the successful bidder has submitted false information, subsequent to the award of contract, the contract shall be cancelled/short closed by the company and shall invoke Risk purchase clause with liabilities on such bidder for the entire contract quantity.
3. In case any person/persons, Company, firm, Associations having any litigation, arbitration cases between themselves and BEML Ltd, pending before any court of law/ Arbitrator shall not be eligible to participate in this tender.
4. Non-compliance with any of the tender conditions, incomplete offers, conditional and ambiguous offers are not acceptable and liable for rejection.
5. BEML reserves the right to accept or reject all tenders or any tender in part or full without assigning any reasons thereto, which is final & binding on the Bidder.
6. **The tender consists of two parts as indicated below:**

Sl. No.	Nature of Bid	Mode of Submission	Details
1	Technical Bid	SRM platform	<ul style="list-style-type: none"> <li>Integrity pact filled, signed with 2 witnesses.</li> <li>Non-Disclosure Agreement as per prescribed format provided by BEML</li> <li>Clause by Clause Compliance to Qualification / Eligibility Criteria</li> <li>Clause by Clause Compliance to BEML Drawings &amp; PTS FPIIC/TD/063 dated 16/09/2025</li> <li>Detailed BoM to be provided/submitted against each tendered line item along with technical bid</li> <li>Clause by Clause compliance to General terms &amp; conditions of NIT.</li> <li>Clause by Clause compliance to Appendix-X.</li> <li>Confidentiality agreement</li> <li>MII (Make in India) declaration.</li> <li>Compliance to Land Border Clause</li> </ul>

2	Commercial Bid	SRM platform	Price details in specified field on BEML SRM platform.
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## 7. Details of Items, Services & Required Delivery Schedules:

TABLE - 1												
S/N	Part No	Description	UOM	Qty/Car				Qty for 1 Train Set	Qty for 2 Train Set	Qty for 1 Mock Up Car	Qty for UES	Total Qty for 2TS+1 Mock Up+UES
				DTC (x2)	MC (x4)	TC PRM (x1)	TC EX (x1)					
1	8431300601	CAB SIDE WINDOW GLASS & FRAME ASSY LH, conforming to PTS Doc. No. FPIIC/TD/063.	NO	1	-	-	-	2	4	1	-	5
2	8431300602	CAB SIDE WINDOW GLASS & FRAME ASSY RH conforming to PTS Doc. No. FPIIC/TD/063.	NO	1	-	-	-	2	4	1	-	5
3	8431310701	CAB SIDE WINDOW GLASS LH, conforming to PTS Doc. No. FPIIC/TD/063.	NO	-	-	-	-	-	-	-	2	2
4	8431310702	CAB SIDE WINDOW GLASS RH, conforming to PTS Doc. No. FPIIC/TD/063.	NO	-	-	-	-	-	-	-	2	2
5	--	Non-Recurring Cost	AU	-	-	-	-	-	-	-	-	1
<p>Non Recurring Costs (Serial Number 5) Towards Non-Recurring Activities of PTS requirements such as  Type test,  Technical documentation,  Drawings,  O&amp;M manual,  Training &amp;  Any other activities to meet PTS requirements etc...</p>												

<b>TABLE - 2</b>	
<b>Tentative delivery schedule</b>	
“Cab Side Window Glass & Frame Assy”: Supply Scope:	Mock Up – by 4 <sup>th</sup> week of Jan’26 1 <sup>st</sup> Train Set by Mar’26 2 <sup>nd</sup> Train Set by Dec’26.
Non-Recurring Activities of PTS requirements such as Type test, Technical documentation, Drawings, O&M manual, Training & Any other activities to meet PTS requirements etc...	Immediately on finalization / placement of order.
Unit Exchange Spares (UES)	Order will be placed only after the confirmation / acceptance from M/s. ICF.  Supply of UES shall be before 3 months of start of revenue operation of cars.

<b>TABLE - 3</b>	
SL No.	Description
1	Defect Notification Period (DNP):  <b>DNP starts from date of supply of materials and ends after 30 months from the date of placement of trains into revenue service.</b>
2	All necessary spares, consumables and any other material for preventive maintenance as per Operation and Maintenance Manual(s) required till the completion of <b><u>DNP</u></b> shall be supplied at free of cost and shall be kept on site at his own cost.
3	There will be additional requirement of “ <b>Cab Side Window Glass &amp; Frame Assy</b> ” for repair/replacement during CAMC period (15 Years) of revenue service. The supplier has to give concurrence for the additional requirement & support on as & when required basis.  CAMC will start after successful completion of Defect Notification Period (DNP).

**SUBMISSIONS OF TECHNICAL BID**

Technical Bid submission Conditions	<p><b>TECHNICAL BID (Without Price/Price Details)</b> shall be uploaded and submitted in the BEML SRM platform, wherein only technical Bid /technical information in BEML SRM platform shall be uploaded as indicated below:</p> <ol style="list-style-type: none"> <li>Bidders should upload Integrity Pact (duly filled, signed &amp; stamped with two witnesses) <b>[Appendix – A]</b>.</li> <li>Bidders to refer <b>(Qualification / Eligibility Criteria for Supplier), PTS doc no. FPIIC/TD/063 dated 16/09/2025</b> enclosed along with this tender document. Bidders should upload the following documents duly filled, signed &amp; stamped under technical bid.</li> <li>Compliance to Qualification / Eligibility Criteria <b>[Appendix – H]</b></li> <li>Clause by Clause Compliance to BEML Procurement Technical Specification (PTS) Doc No : FPIIC/TD/063 dated 16/09/2025 <b>[Appendix – I]</b></li> <li><b>Detailed BoM to be provided/submitted against each tendered line item along with technical bid</b></li> <li>Bidder to upload enclosures related to technical &amp; other information deemed appropriate in respect of this tender on the letter head of the company, if any.</li> <li>Photographs / Drawings if any, may be uploaded.</li> <li>Bidders to refer <b>“GENERAL TERMS AND CONDITIONS (GTC)”</b> enclosed along with this tender document and upload following documents duly filled, signature &amp; stamped under technical bid. <ol style="list-style-type: none"> <li>Clause by clause compliance of GTC duly filled, signed &amp; stamped along with the supporting documents as specified therein. <b>[Appendix – C] &amp; Appendix-X</b></li> <li>Confidentiality agreement filled &amp; signed in plain paper <b>[ Appendix – E]</b></li> <li>MII (Make in India), Local content declaration <b>[Appendix – F]</b></li> <li>Compliance to Land Border Certificate Clause <b>[ Appendix – G]</b></li> <li>Compliance to Submission of Non-Disclosure Agreement. <b>[ Appendix-B]</b>.</li> </ol> </li> <li>BEML at its sole discretion reserves the right to seek the hard copies of the documents which are already been uploaded in BEML SRM, through Courier / post pertaining to technical bid of this tender enquiry at a later date, if required.</li> <li>In such cases, only the documents uploaded in BEML SRM platform in original has to be couriered at the request of BEML. Any irrelevant documents furnished through courier will not be considered.</li> </ol>
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**SUBMISSIONS OF COMMERCIAL BID**

The price bid to be submitted through SRM Portal. The following details are to be entered in the SRM Portal.

Line Item No.	Part Number	Material Description	Total Qty	Unit Price	Extended Value
1	8431300601	CAB SIDE WINDOW GLASS & FRAME ASSY LH	5 Nos	This is Format for reference only.  Commercial bid document should not be enclosed during Technical Bid Submission.  If uploaded the Quotation submitted by bidder will be liable for rejection without any discretion.	
2	8431300602	CAB SIDE WINDOW GLASS & FRAME ASSY RH	5 Nos		
3	8431310701	CAB SIDE WINDOW GLASS LH	2 Nos		
4	8431310702	CAB SIDE WINDOW GLASS RH	2 Nos		
5	--	Non-Recurring Cost CAB SIDE WINDOW GLASS  Non-Recurring Activities of PTS requirements such as Type test, Technical documentation, Drawings, O&M manual, Training & Any other activities to meet PTS requirements etc...	1 AU		

**Note:**

- Bidder has to quote for all the items. Commercial evaluation will be based on total bid value for all the items put together.
- Commercial Ranking shall be arrived based on the Grand Total of all the tendered items in above Table (1). The bidder whose offer is lowest will be considered as L1.
- The commercial bids of the vendors will be opened subject to technical acceptance based on Technical bid evaluation.
- Bidder should quote for all tendered line items. Bidders / Bids having partial participation will be rejected.
- Reverse Auction shall be conducted if Minimum 2 technically accepted firms received & Reverse auction will be as per BEML SRM norms. (refer document **ReverseAuction\_RFQ**)
- In case of bids involving foreign exchange, the exchange rate variation for evaluation of tender shall be considered at the date of opening of Commercial bid.

**[ANNEXURE – VI]****GENERAL TERMS & CONDITIONS (GTC) FOR PROCUREMENT OF MATERIALS:****1. DEFINITIONS & INTERPRETATIONS**

- 1.1 The Purchaser' means "(include company name and address)" (A Government of India Undertaking) incorporated under the Companies Act having its registered office at "BEML Soudha, No 23/1, 4<sup>th</sup> main, S.R. Nagar, Bengaluru – 560027" and shall be deemed to include its successors and assignee.
- 1.2 Supplier' means a person having been included in a contract as a Contractor and also means a firm or company with whom the order for supply/execution of work is placed and shall be deemed to include the supplier's successors, (approved by BEML Ltd.,) representatives, heirs, executors and administrators. The supplier may also be referred to as the supplier, Contractor or vendor.
- 1.3 Parties to the Contract' shall mean the Supplier and the Purchaser as named in the main body of the Purchase Order.
- 1.4 Tender' means and includes quotation, invitation to tender and all other documents like drawings, specifications, quality plan, etc that form part of the tender document.
- 1.5 Acceptance of Tender' Means the letter of memorandum communicating supplier, the acceptance of the Tender and includes advance acceptance of this tender.
- 1.6 Purchase Orders / Contract' means and includes the invitation to tender, instruction to Tenderers, acceptance of tender, Letter of intent / letter of award, the general terms and conditions of Purchase Order / contract, special conditions of Purchase Order /contract, particulars, descriptions, specifications, schedule of prices, quantities, quality plan, drawings enclosed and other condition specified in the acceptance of tenders and includes the repeat order which has been accepted or acted upon by / for the supplier for the supply of stores and includes an order for performance of service and includes amendments, if any, that may take place subsequent to the discussions, negotiations, mutual agreement if any.
- 1.7 Stores / Materials / Services' means the goods or services as described in Procurement Technical Specification (P.T.S.) and in the Purchase Order which the supplier has agreed to supply under the Purchase Order.
- 1.8 Specification means technical specifications of the Equipment / Material as set forth in Procurement technical specification (PTS) / technical drawings, which is part of tender
- 1.9 End-Customer / End-user means: ICF / Indian Railways / Rolling Stock Corporations.
- 1.10 Words in singular include the plural & vice-versa.
- 1.11 Words imparting the masculine gender shall be taken to include the feminine gender and words imparting persons shall include any firm, company or associations or body of individuals whether incorporated or not.



- 1.12 The heading of these conditions shall not affect the interpretations or construction thereof of the contract.

## **2. SUBMISSION OF THE TENDER:**

### **Tender is in TWO-BID system (Technical & Commercial Bid)**

Bids should be submitted online mode only as follows:

#### **a) Submission of Technical bid (without price):**

- i. The Bidder should upload all the requisite technical documents along with respective supporting documents and other information deemed appropriate in respect of the Tender.
- ii. The price details/commercial bid details should not be given in the Technical bid. If any of the bidder have given any price/commercial details in the Technical bid, their offer is liable for rejection and will not be considered.
- iii. Technical Bid will be opened on (date and time of bid opening) and the commercial Bids of those bidders whose technical bid is accepted only will be opened later.

#### **b) Submission of Commercial bid:**

- i. The commercial bids of the vendors will be opened subjected to technical acceptance of offers only.
- ii. Price details in specified field on BEML SRM platform to be submitted.
- iii. If dealers are submitting the bids in place of OEM, Dealer should submit Authority letter from manufacturer.
- iv. BEML reserves its right to reject a tender due to unsatisfactory past performance in the execution of a contract at any of BEML projects / units.
- v. Bidders participating in the tender should declare in their offer that whether they have been black-listed / kept on hold for a specified period / given Business holiday for a specified period by any Public sector undertaking or Government departments. The reasons for such action with details and the current status of such hold shall be furnished to BEML.
- vi. In case any person/persons, Company, firm, Associations having any litigations, arbitration cases between themselves and BEML Ltd, pending before the Court / Arbitrator or initiated litigations/arbitrations in connection with any contract / tender issued by BEML Ltd and any contractor has defaulted against the BEML's orders are not eligible to participate in this tender.
- vii. BEML may decide to scrap the tender/refloat the tender without assigning any reasons thereof before LOI/PO is committed. BEML reserves the right to accept, split, divide, negotiate, cancel or reject any tender or reject all tenders at any time prior to the award of the contract without incurring any liability to the affected tenderers or any obligation to inform affected tenderer, the grounds of such action.
- viii. BEML reserves the right to verify, in its sole discretion, any information given by the bidders independently through any third party agencies. During this process, if it is found that any of the information given by the bidder is false / misleading, offers of such bidders would be out rightly rejected.

- ix. BEML also reserves the right to independently assess the capability and capacity of the bidder for execution of the order/contract. BEML's decision on any matter regarding short listing of bidders shall be final.
- x. The RFx / Notice Inviting Tender is not an offer or a contract.
- xi. Bidders will not be compensated or reimbursed for the costs incurred in preparing Proposals. Proposals shall become BEML property.
- xii. BEML's decision is final for Evaluation of the offers.

### 3. PURCHASE PREFERENCES:

**Preference to Make in India products:** Preference shall be given to Class-I local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products.

The 'Class-I local supplier (Local content more than 50%) / Class-II local supplier (Local content more than 20% less than 50%) at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for Class-I local supplier / Class-II local supplier, as the case may be. They shall also give the details of the location(s) at which the local value addition is made.

**In cases of procurement for a value in excess of Rs.10 crores, Class-I local supplier / Class-II local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving percentage of local content.** Bidders to upload signed & sealed [ **Appendix - F** ]

4. **SUPPLIERS SHARING LAND BORDER WITH INDIA:** Public Procurement Division order vide F.No. 6/18/2019-PPD dated 23.07.2020 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products, shall be applicable for bidders / suppliers sharing land border with India. Bidders to upload signed & sealed [ **Appendix - G** ], in compliance to Annex- III of the said Order.

### 5. DELIVERY TERMS:

- i) F.O.R (Free on Road), BEML Bangalore complex. Freight & transit insurance to supplier's account.
- ii) **For Spares / ~~Comprehensive Annual Maintenance Contract (CAMC)~~:**  
F.O.R (Free on Road), Customer Nominated Site / Depot (or) BEML Bangalore complex. Freight & transit insurance to supplier's account.

### 6. PAYMENT:

Category	Payment Terms
Supply Scope (Materials)	<p>1) Supplier will raise GST invoice for 100% value. BEML will pay 80% of Invoice Value with 100% GST in 60 days / 45 days (MSE firms) from the date of receipt of material at BEML subject to material acceptance by BEML.</p> <p>2) Balance 20% payment in 60 days / 45 days (MSE firms), from the date of successful completion of testing &amp; commissioning activities as per BEML requirement duly certified by BEML R&amp;D /BEML NOMINATED AGENCY/ICF/ICF NOMINATED AGENCY.</p>
Non-Recurring Activities  (Non-Recurring Activities of PTS requirements such as Type test, Technical documentation, Drawings, O&M manual, Training & Any other activities to meet PTS requirements etc...)	<p>1) Firm will raise separate GST Invoice for 50% of the value after completion of NRC activities and after delivery of materials for <b>1<sup>st</sup> Train set</b>. Payment will be made within 60 days / 45 days from the date of receipt &amp; acceptance of materials &amp; submission of all the design documents related to NRC duly certified by BEML R&amp;D/BEML Nominated Agency/ICF/ICF Nominated Agency.</p> <p>2) Firm will raise GST Invoice for balance 50% after successful completion of testing &amp; commissioning of <b>1<sup>st</sup> Train Set</b>. Payment will be made within 60 days / 45 days from the date of Invoice.</p>

Bidders to indicate the category of their firm under Micro/Small/Medium/Major industries with necessary documentary proof of evidence for purpose of evaluation and our data updation.

**The payment is further subject to the following:**

- a) The Invoice shall be compliant with GST laws.
- b) GST liability is to be discharged and ensure filing of outward supply details on GSTN portal within timeline prescribed.
- c) Any debit note/supplementary invoice if any, is to be raised within September month following the respective financial year of filing of annual return by BEML, whichever is earlier.
- d) Any loss of tax credit due to the reason attributable to supplier shall be recovered from supplier along with applicable interest and penalty.
- e) Bidders to indicate the GST and other levies applicable. GST shall be paid only after confirmation of payment of GST by vendors on GST Website.
- f) Relevant TDS / TCS as applicable shall be deducted as per prevailing Income Tax / GST / GOI notifications.

- 7. PRICE BID VALIDITY:** The Bid should be valid as per the details provided in below Table. BEML's acceptance of the tender at the quoted / negotiated rates will be binding on the tenderer during the tenure of contract.

SL No	Category	Price Bid Validity Should be Up to
1	i) Supply Scope (Mock Up & 2 Train Sets Materials) ii) Non-Recurring Costs	<b>180 days from the date of tender opening.</b>
2	Unit Exchange Spares (UES)	<b>30 June 2027</b> (refer clause 43 of NIT)

## **8. FIRM PRICE**

The prices remain firm for the entire supplies of the purchase order and no escalation shall be entertained under any circumstances. The prices are to be firm & no increase in finalized price will be entertained after awarding contract during the period of Contract for any reasons whatsoever.

## **9. INSPECTION:** By BEML/BEML NOMINATED AGENCY/ICF/ICF NOMINATED AGENCY

## **10. WARRANTY:**

- a) The supplied goods/stores to the purchaser under the contract shall be of the highest grade, free of all the defects & faults in material and of the best quality, manufacture and workmanship and consistent with the established and generally accepted standards for materials of the type ordered and in full conformity with the contract specification, drawing or sample, if any and shall, if operable, operate properly throughout warranty period.

Any defect/fault & non-conformance to standards & descriptions as aforesaid, found during warranty period shall be rectified /repaired/replaced free of cost & at supplier's risk to the complete satisfaction of BEML / End user, within reasonable time at the ultimate destination.

The said goods/stores shall be warrantied /guaranteed **from date of supply of materials and ends after 30 months from the date of placement of trains into revenue service.**

In case of any contradiction in the terms and condition with respect to warranty appearing in Indian Railway standard (IRS) condition of contract and specifications, the later will prevail

### **b) Guarantee / Warranty replacement:**

Guarantee / Warranty replacement shall be dispatched on "F.O.R – BEML Stores / designated destination" basis for replaceable items during warranty period.

- c) The provisions of this Warranty shall be without prejudice to and shall not be deemed or construed so as to limit or exclude any rights or remedies which the BEML may have against the supplier, whether in tort or otherwise.

- d) If any defect or damage is one requiring immediate attention from safety / environmental view point / operational viewpoint, the BEML has the authority to proceed with rectification in any manner suitable and deduct such sums from the suppliers Bill or purchase order whichever is active.

## 11. PERFORMANCE BANK GUARANTEE (PBG):

- a) Firm shall submit Performance Guarantee for amount equivalent to **10%** of the Contract value. This performance guarantee shall be in the form of Bank Guarantee executed and submitted through any scheduled commercial Bank authorized by RBI. The Performance bank guarantee shall be valid up to Warranty period plus 6 months claim period. Format for PBG is attached as Appendix- D for reference.
- b) PBG shall be returned back only after completion of warranty period from date of last supply and if there is no defect /failure/negligence on part of contractor, complaints and / or any claims notified to the contractor within expiry of such date.
- c) The performance bank guarantee has to be furnished by the supplier as per prescribed format covering the entire supplies to be made against this order within 60 days from the date of receipt of purchase order from BEML but not later than 30 days before commencement of supplies pertaining to first delivery schedule indicated in the purchase order.
- d) In the absence of performance bank guarantee to be submitted by the supplier as per contract terms, BEML will not open Letter of Credit (LC) in the cases of LC in favor of supplier pertaining to the shipment / stores to be supplied as per first delivery schedule indicated in the purchase order. Any delay in submission of performance bank guarantee by the supplier, the subsequent delay in opening in Letter of Credit by BEML and supplies to be effected by the supplier are to the account of the supplier, which attracts liquidated damage charges as per contract terms.
- e) No claim shall lie against BEML Ltd., in respect of interest on cash deposits or Govt. Securities depreciation thereof.
- f) BEML shall be entitled to and it shall be lawful on its part to encash the Bank Guarantee in whole or in part in the event of any default, failure or neglect on the part of the supplier in the fulfillment or performance in all respect of the Purchase Order.
- g) The Bank Guarantee shall be established through **Structured Financial Messaging System (SFMS)** mode from a Scheduled Commercial Bank authorized by RBI in India as defined by RBI.
- h) A separate copy of the BG has to be sent by the issuing bank to the Purchaser's bank through SFMS. The details of Purchaser's bank are as under:

**STATE BANK OF INDIA**  
**Overseas Branch, No.65,**  
**St. Marks Road,**  
**Bangalore – 560001**  
**IFSC Code: SBIN0006861**

- i) Following codes are to be used by issuing bank for the purpose of Confirmation and amendment in Bank Guarantees:

Code	Purpose
MT760	Confirmation of Bank Guarantee
MT767	Amendment in Bank Guarantee

- j) Bank Guarantee issued on the SFMS platform with any other code other than mentioned above for the purpose shall not be acceptable to the Purchaser.
- k) The Bank Guarantee validity shall be extended as required till the completion of all contractual and warranty obligations in Full.
- l) In case BEML is constrained to extend the Performance Bank Guarantee beyond the warranty period submitted to its customer due to the failure of aggregates attributable to the supplies made by the bidder then the costs involved to BEML for such PBG extensions shall be borne by the supplier.
- m) **PBG to be executed digitally through NeSL platform.**

## **12. RIGHT TO VARY QUANTITIES &-QUANTITY OPTION CLAUSE:**

- a) *Purchaser shall be entitled to increase the order quantity by 50 percent anytime during the currency of the contract, such that the contractor has reasonable time/notice for executing such increase.*
- b) BEML reserves the right to increase or decrease the quantity specified in the schedule of requirements without any change in the unit price or other terms and conditions within the agreed delivery schedule.

## **13. LIQUIDATED DAMAGES CLAUSE:**

If the contractor fails to deliver the stores or any consignment thereof within the period prescribed for such delivery, BEML shall be entitled at their option to accept the delayed supply and to recover from the supplier as agreed liquidated damages, and not by way of penalty, a sum of 0.5% of the price of any stores per week subject to a maximum of 10% of the value of the purchase order which the supplier has failed to deliver as aforesaid for each week or part thereof during which the delivery of such stores may be in arrears.

The LD will be charged on the value of the affected delivery schedule excluding statutory levies, freight and insurance wherever not included in the price.

## **14. RISK PURCHASE CLAUSE:**

The time and the date of delivery of the stores stipulated in the PO shall be deemed to be the essence of PO and delivery must be completed not later than the date specified therein. Shall the supplier fail to deliver the stores or any consignment thereof within the period prescribed for such delivery, BEML shall be entitled at their option either;

- a. To purchase elsewhere, without notice to the supplier on the account and at the risk and cost of the supplier the stores not delivered or other of a similar description (where stores exactly complying with the description and readily procurable) without cancelling the PO in respect of consignment not due for delivery

**or**

- b. To cancel the purchase order.

In the event of action being taken under clause (a) or (b) above, the supplier shall be liable for any loss, which BEML may sustain on that account but the supplier shall not be

entitled to any gain or purchases made against default. As soon as it is apparent that the scheduled dates cannot be adhered to, an application shall be sent by the supplier to BEML, well before the expiry of the delivery period specified in the purchase order. Without prejudice to the foregoing rights, if such failure to deliver in proper time as aforesaid shall have arisen from any cause which BEML may admit as a reasonable ground for an extension of the time (and their decision shall be final) they may allow such additional time as they may consider justified by circumstances of the case. Delivery required to be made in lots shall be made in lots only and any extra deliveries involved either on account of repeated rejections or variance in supply of lots shall be liable for service charges of 5% of the purchase order value for each extra delivery.

## **15. SECRECY AND CONFIDENTIALITY:**

- a) All the information, know-how, technical data, specification and drawing models or specimens furnished by BEML for the purpose of or in connection with the manufacture and supply of the stores hereby tendered constitute the property of BEML and the supplier shall keep them in strict confidence and he shall not divulge the same to anyone else except under the authority and for the purpose of BEML. All such documents, data, drawing, models and specimens are the property of BEML and shall be returned when done with or when demanded by BEML.
- b) The supplier shall not supply the components / spares exclusively manufactured for BEML with the Technical Data / Specifications / assistance furnished by BEML and shall not disclose my initiations, development of adaptations thereof to anyone else except with the written consent of BEML.
- c) BEML shall be entitled to prevent breach of the above and to claim damages in case of any breach. It is hereby mutually agreed that for breach of this agreement the Vendor shall pay, without actual proof of damages, a liquidated amount of Rs. 1.00 Crore (Rupees One Crore only).

Confidentiality agreement is attached as **Appendix E**.

## **16. AUTHORITY OF PERSONS SIGNING DOCUMENT**

A person signing the tender or any other document in respect of the Purchase Order shall be deemed to have power to do so on behalf of the Supplier.

## **17. ACCEPTANCE OF ORDER**

The supplier shall send Order Acceptance within two weeks from the date of LOI / LOA / Purchase Order or such other period as specified / agreed by the Purchaser. Purchaser reserves the right to revoke the order placed if the order confirmation differs from original Purchase Order placed and the Purchaser shall only be legally bound after it has agreed explicitly in writing to be in agreement with the deviation. The acceptance of deliveries or supplies by Purchaser as well as payments made in this regard shall not imply acceptance of any deviations. The Purchase Order in whole shall be deemed to have been accepted if supplier failing to no communicate is received within two weeks.

## 18. OTHER CONDITIONS

- a) The firm shall take necessary permission for their employees to enter the factory premises and the firm shall arrange ESI & PF coverage to their employees/labourers if any from their end. The firm shall indicate ESI NUMBERS for the labourers hired or employed in advance in order to prepare work permit inside the factory.
- b) BEML will not have any kind of binding towards the compensation on case of injury / death to the firms employees while working in BEML premises or other wises.
- c) BEML will not have any kind of binding on damages or loss to the tools/instruments etc. brought by the firm for commissioning purpose.

**19. PRICE, INVOICING AND PAYMENT:** The agreed prices are fixed prices in the currency as specified in the Purchase Order. They shall include packing, forwarding, loading and carriage to the place specified by the Purchaser and are inclusive of all applicable taxes, duties etc. except for those specifically agreed between the supplier and purchaser. The method of invoicing shall be without prejudice to the parties; agreement as to the place of performance. Invoices shall be submitted bearing the Purchase Order number & date, item number / s and supporting documents as called for in the Purchase Order.

As soon as each shipment is made in line with the delivery schedule specified in the purchase order, the supplier shall send **one set of Original documents and three (3) sets of photocopies** each of the following documents to the address indicated below by courier service.

- i. Commercial Invoice
- ii. Delivery Challan
- iii. Packing List
- iv. BEML's Inspection clearance document(s), material test certificates and other applicable quality documents pertaining to the supplies.

### **Postal Address**

The Deputy General Manager,  
BEML, Bangalore Complex,  
PB No.7501, New Thippasandra post,  
Bangalore, Karnataka, India,  
Postal Code - 560 075

## 20. PROGRESS REPORT:

The supplier shall regularly inform the progress of work and in such form as may be called for by the Purchaser from time to time. The submission and acceptance of such reports shall not prejudice the rights of the Purchaser in any manner.

## 21. QUALITY & WORKMANSHIP

The stores supplied shall be of the best quality and Workmanship shall be in strict conformity with all the drawings and specifications furnished with the Purchase Orders and shall answer to the description in all respects. All supplies shall be accompanied by supplier's works inspections / test certificates duly certifying, the Stores are in strict conformity with the drawings / specifications. However, final acceptance will be subject to inspection and approval at BEML works. Once the



materials are rejected and communicated to the supplier, no request shall be entertained for re-inspection or acceptance of the stores. However, BEML reserves the right to re-inspect the stores and consider acceptance at its discretion.

- 22. QUALITY, CONDITION OF DELIVERY:** The Supplier shall guarantee that the delivery is of good quality and free from all defects and in the case of services rendered that they are performed by skilled personnel and that new materials are used. The Supplier shall guarantee that the delivery corresponds exactly with the provisions of the agreement, the reasonable expectations of Purchaser regarding the characteristics, quality and reliability of delivery. The Supplier guarantees that the delivery is suitable for the purpose for which it is intended by its very nature or which is evident from the specifications listed and from the order.

The Supplier shall guarantee that the delivery complies with legal requirements applicable in India and other (international) Government regulations, as applicable. The Supplier guarantees that the delivery complies with legal requirements applicable in India and other (international) Government regulations, as applicable. The supplier shall guarantee that the delivery complies with the customary norms and standards in the relevant branch of trade or industry. The supplier shall be responsible for compliance with applicable technical, safety, quality, environmental requirements and other regulations in relation to his product, packaging, and raw and ancillary materials.

- 23. SUPPLY OF SAMPLE: (if applicable)** The Contractor shall produce samples of all materials and shall obtain approval before he places bulk order for the material for incorporation in the works. In respect of materials for which samples are not kept or detailed specifications is not given hereinafter, such materials shall comply with the latest relevant Indian Standard Specifications a published up to the date of issue of this tender. The Contractor shall on demand produce original receipts vouchers/invoices in respects of materials supplied by him.

**24. INSPECTION, TESTING & CONSEQUENCE OF REJECTION:**

The goods and stores shall be of approved design and each part /component may be inspected and tested by the Purchaser prior to shipment and shall fully comply with relevant requirements of purchaser.

Purchaser has the right to inspect the delivery. In the event of rejection, Purchaser shall inform the Supplier accordingly and Purchaser shall be entitled to replacement or repair at its discretion or may proceed to terminate or annul the agreement. All this does not affect Purchaser's right to compensation.

In case the goods / stores are rejected at the time of inspection at BEML or the rejections are notices at the time of further processing the supplier will be informed of these rejections. On receipt of this information the supplier shall immediately arrange to collect the rejected items at his cost and risk and arrange for the replacement of goods within the shortest possible time. Under no circumstances the supplier shall compel the Purchaser to rework the rejected goods.

Wherever the supplier has not collected the rejected items within 60 days from the date of intimation, BEML shall have the right to dispose the goods and all cost related to the cost of material, statutory levies incurred both in procurement and disposal shall be recovered from the

supplier from any of the bills that are due. The supplier shall have no claims whatsoever against the Purchaser for such disposal.

Purchaser or his authorized representative shall be entitled at all reasonable times during execution to inspect, examine and test at the Supplier's premises the material and workmanship of all stores to be supplied under the Contract, and if the part of the stores are being manufactured at other premises the Supplier shall obtain Purchaser's or his authorized representative's permission to inspect, examine and test as if the said stores are being manufactured at the Supplier's premises. Such inspection, examination and testing, if made shall not release the Supplier from any obligation under the Contract.

All costs related to inspections and re-inspections shall be borne by the Supplier. The cost of inspection staff / third party specified by the Purchaser shall be borne by Purchaser, unless otherwise specifically agreed. Whether the Contract provides for tests on the premises of the Supplier or any of his Sub-contractor/s, Supplier shall be responsible to provide assistance such as, labour, materials, electricity, fuels, stores, apparatus, instruments as may be required and as may be reasonably demanded to carry out such tests efficiently. Cost of any type test or such other special tests shall be borne by the Purchaser only if specifically agreed.

The supplier shall give the authorized representative of the Purchaser reasonable prior notice in writing of the date on and the place at which any stores will be ready for inspection / testing as provided in the Contract.

## **25. LAWS APPLICABLE**

Domestic laws both substantive and procedure, for the time being in force including modification thereto shall govern contract. The competent Domestic courts shall have sole jurisdiction over the disputes between the BEML and the supplier. The making of all stores supplied must comply with the requirements of Domestic Acts relating to trade and merchandise marks and all the rules made under such acts.

## **26. RAW MATERIALS ARRANGEMENT**

The supplier shall make his own arrangement to procure all raw materials required and BEML shall not be responsible for any assistance in such procurement or whatsoever.

## **27. IDENTIFICATION OF ITEMS / PIECES**

The supplier shall indicate / emboss / engrave, suitable identification marks (Viz. BEML stock number, supplier code number, batch no. etc.,) on each item/piece (or) on all components at convenient non-machinable place as per drawing, wherever applicable.

Also, shall indicate BEML part number, PO No. and date in all delivery documents, invoices and correspondence, wherever applicable.

## **28. PACKING AND MARKING**

- a) Packing to be in such a way that it should avoid transit/storage/handling damage.
- b) The supplier shall package the deliveries safely and carefully and pack them suitably in all respects considering the peculiarity of the material for normal safe transport by Sea / Air / Rail

/ Road to its destination suitably protected against loss, damage, corrosion in transit and the effect of tropical salt laden atmosphere. The packages shall be provided with fixtures / hooks and sling marks as may be required for easy and safe handling by mechanical means.

- c) The packing, shipping, storage and processing of the delivery must comply with the prevailing legislation and regulations concerning safety, the environment and working conditions. Items packed with raw / solid wood packing material shall be treated as per ISPM – 15 (fumigation) and accompanied by Phytosanitary / Fumigation certificate. If safety information sheets exist for a delivery or the packaging, the Supplier must always supply these sheets direct (at the same time).
- d) Supplier shall indicate approximate net weight, gross weight and dimension of the package to enable BEML to determine the mode of dispatch. The packing should withstand the weather conditions during transit. The packing should not damage the contents in the package while transporting and handling. The safety and handling precautions should be clearly marked on the packages. The packing should be easily transportable without any damage. Each consignment should have individual packing list.
- e) Marking shall include the following information in sequence on the frame commensurate with the size of package.

**To: M/s. BEML Limited, Bangalore Complex,  
New Thippasandra,  
Bangalore – 560075,  
Karnataka State, India.**

**Purchase order number:**

**Shipper's mark:**

**Package number:**

**Identification number:**

**Caution marks, if applicable:**

**Net weight, gross weight and cubic measurement, whichever is appropriate for the shipment.**

- 29. APPLICABLE LAWS AND JURISDICTION OF COURTS:** Indian laws both substantive and procedure, for the time being in force including modifications thereto, shall govern Contract. The competent Indian courts of shall have sole jurisdiction over disputes between purchaser and the Supplier.
- 30. JURISDICTION:** Courts of Bangalore alone shall have jurisdiction to decide any issue / dispute arising out of the Arbitration or this Purchase Order in exclusion of all other Courts. However, jurisdiction of any other court may be accepted by mutual discussion and agreement by and between BEML and the Supplier.
- 31. ARBITRATION:** Disputes if any, arising between BEML and the supplier in connection with this Purchase Order or any other matters connected herewith, the same will be mutually discussed and settled, failing which, the disputes shall be referred to a sole arbitrator to be appointed by BEML. The arbitration / proceedings shall be in accordance with the provisions of Arbitration and Conciliation Act 1996 and Rules framed there under. The place of arbitration shall be at

Bangalore or any other place mutually decided by and between BEML and the supplier and all arbitration proceedings shall be conducted in English language. The award of the sole arbitrator shall be final and binding on all the parties.

**DURING ARBITRATION:** “Supplies under this Purchase Order, if reasonably possible, may continue by mutual agreement during the dispute / Arbitration proceedings”

**32. INTELLECTUAL PROPERTY RIGHTS; LICENSES:** If any Patent design, trademark or any other intellectual property rights apply to the delivery or accompanying documentation, Purchaser shall be entitled to the legal use thereof free of charge by means of a non-exclusive, worldwide, perpetual license. All intellectual property rights that arise due to the execution of the delivery by the Supplier and by its employees or third parties involved by the Supplier for performance of the agreement belong to Purchaser. The Supplier shall be obligated to do everything necessary to obtain or establish the above mentioned rights. The Supplier guarantees that the delivery does not infringe on any of the intellectual property rights of third parties. The Supplier shall also be obligated to do everything necessary to obtain or establish the alternate acceptable arrangement pending resolution of any (alleged) claims by third parties.

The Supplier shall defend and indemnify the BEML against any claims, costs or expenses incurred by reason of any infringement of alleged infringement of any letters, patent, registered design, trademarks or trade name by the use of sale of the stores / goods / material and against all costs or damages which the BEML may undergo in legal action for such infringement or for which the BEML may become liable in any such action.

The supplier shall at all times indemnify BEML and shall take all risk of accidents or damage which causes a failure of the supply. The supplier shall comply with the provisions of Contract Labour (Regulation and Abolition) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules 1971-as modified from time to time wherever applicable and shall also indemnify the Company from and against any claims under the aforesaid Act and the Rules.

**33. BRIBES AND GIFTS:**

Any bribe, commission, gift or advantage given, promised or offered by or on behalf of the supplier or his partner, agent or servant or anyone on his or their behalf to any officer, servant, representative or agent of BEML or any person on his or their behalf in relation to the obtaining or to the execution of or any other contract with BEML shall in addition to any criminal liability which the supplier may incur, subject the supplier to the cancellation of the PO and all other contracts with BEML and also to payment of any loss or damage resulting from any such cancellation to like extent as is provided in case of cancellation under **Clause-15** hereof. Any question or dispute as to the commission of any offence under the present clause shall be settled by BEML in such manner and on such evidence of information as they may think fit and sufficient and their decision shall be final and conclusive.

**34. FORCE MAJEURE CLAUSE:**

- a) Notwithstanding anything contained in the Contract, neither the Supplier nor the Purchaser shall be held responsible for total or partial non-execution of any of the contractual obligations, shall the obligation become unreasonably onerous or impossible due to occurrence of a 'Force Majeure' conditions which directly affect the obligations to be performed by the Purchaser or the Supplier. Such events include war, military operations of any nature, blockages, revolutions, insurrections, riots, civil commotions, insurgency, sabotage, acts of public enemy, fires, explosion, epidemics, quarantine restrictions, floods, earthquake, or acts

of God, restrictions by Govt. authorities over which the Supplier or the acts on which the Purchaser has no control.

- b) The party claiming to be affected by Force Majeure shall notify the other party in writing without delay, within two weeks on the intervention and on the cessation of such circumstance. Extension of time sought by the Supplier along with supporting evidence and so granted by the Purchaser for the supply / work affected, if any, shall not be construed as waiver in respect of remaining deliveries.
- c) Notwithstanding above provisions, Purchaser shall reserve the right to cancel the order/ Contract, wholly or partly, in order to meet the overall delivery schedule and make alternative arrangements including arrangements with third party for completion of deliveries and other schedules. Purchase may takeover partly processed material at a mutually agreed price.

### **35. FALL CLAUSE**

- a) The prices charged for the stores supplied under this P.O by the supplier shall in no event exceed the lowest price at which the supplier sells the stores of identical description to any other BEML Office / Division during the pendency of this PO.
- b) If at any time, during the said period, the supplier reduces the sale price of such stores or sells such stores to any other BEML Office / Division at a price lower than the price chargeable under this P.O and the price payable under this PO for the stores supplied after the date of coming into force of such reduction shall stand correspondingly reduced.

### **36. NON DISCLOSURE AND INFORMATION OBLIGATIONS:**

The supplier shall provide Purchaser with all information pertaining to the delivery in so far as it could be of importance to Purchaser. The Supplier shall not reveal confidential information to its own employees not involved with the tender / Contract & its execution and delivery or to third parties. The supplier shall not be entitled to use the Purchaser's name in advertisements and other commercial publications without prior written permission from Purchaser.

**37. ASSIGNMENT OF RIGHTS AND OBLIGATIONS; SUBCONTRACTING:** The supplier is not permitted to sub-contract the delivery or any part thereof to third parties or to assign the rights and obligations resulting from this agreement in whole or in part to third parties without prior written permission from Purchaser. Any permission or approval given by the Purchaser shall, however, not absolve the supplier of the responsibility of his obligations under the contract.

**38. DIVISION OF PATRONAGE:** BEML reserves the right to avail the price offered for full quantity of the tender or part thereof or ignore the offer completely without assigning any reason whatsoever.

Splitting of Quantities not applicable considering the fact that "All the above items to be procured from Single Source in order to maintain uniformity and to avoid additional NRC cost towards Tool development & Load Type Testing by each supplier."

Preference to Micro and small Enterprises (MSEs): NOT APPLICABLE considering the fact that this being first time project in India and NRC to be paid and splitting of quantities is not applicable.

### 39. INTEGRITY PACT:

The bidder / contractor should upload duly signed & stamped **Integrity Pact** (if the tender value is more than or equal to Rs.1.00 crore) as per prescribed format (**APPENDIX- A**) on plain paper as part of technical bid.

The bidder should put their authorized signature in the Integrity pact as a Contractor / bidder with their company seal along with witness's signature, name & address. **The agreement shall be in full as per format enclosed on a plain A4 size paper duly signed & stamped on all pages.**

The Integrity Pact envisages an agreement between the prospective tenderer and the buyer committing the persons/officials of both the parties not to exercise any corrupt influence on any aspect of the contract.

For the successful bidder, the integrity pact will remain valid up to 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded.

The Central Vigilance Commission (CVC) has appointed Shri Kasividyasagar & Shri Lt. Gen. Abhay Krishna as Independent External Monitor (IEM) to oversee the implementation of the Integrity Pact.

Address of IEM is as below:-

Shri Kasividyasagar, IAS (Retd.)  
House no. 55,  
Dream valley gated community,  
Manikonda, Hyderabad – 500089.  
Mobile no. +91 9771407778  
Email : [kasividyasagar@gmail.com](mailto:kasividyasagar@gmail.com)

Shri Lt. Gen. Abhay Krishna , (Retd.)  
4A-902, Gurjinder Vihar,  
AWHO Township, Sector CHI-1  
Greater Noida, UP - 201310  
Mobile no: +91 9871234353  
Email: [abhayabk@gmail.com](mailto:abhayabk@gmail.com)

### 40. GST TERMS & CONDITIONS:

1. The Supplier is required to comply with all the applicable provisions of the GST Laws/Rules/Notifications/Circulars and to furnish required documents/details within the prescribed time limit to enable BEML to claim the benefits of GST Input Tax Credit or any other benefit.
2. The Supplier is required to furnish proper Invoice/Supplementary Invoice/Debit Note/Credit Note in the form and manner prescribed under GST Laws/Rules/Notifications/Circulars containing all the particulars mentioned therein and within the prescribed time limit as per prevailing GST Laws/Rules/Notifications/Circulars. In case of non-compliance by the Supplier, BEML shall not make any payment towards GST against such invoice until it is complied with within the timeline prescribed under GST Laws/Rules/Notifications/Circulars,

and also subject to BEML being in a position to avail GST Input Tax Credit as per applicable GST Laws/Rules/Notifications/Circulars.

3. In case of discrepancy in the data uploaded by the Supplier in the GSTN portal or in case of any shortages or rejection in the supply, BEML will notify the Supplier of the same. Supplier has to rectify the data discrepancy in the GSTN portal or issue Credit note (details to be uploaded in GSTN portal) for the shortages or rejections in the supplies, within the prescribed time limit to enable BEML to avail GST Input Tax Credit.
4. In case, the availment of GST Input Tax Credit by BEML is delayed for any reason other than those attributable to BEML, interest at applicable rate as prescribed under GST Laws/Rules/Notifications/Circulars for such delays shall be recovered from the Supplier.
5. In case Supplier delays declaring such invoice in his GST Return and GST Input Tax Credit availed by BEML is denied or reversed subsequently as per GST Laws/Rules/Notifications/Circulars, GST amount paid by BEML towards such reversal as per GST Laws/Rules/Notifications/Circulars shall be recoverable from Supplier along with applicable interest

If BEML has not paid/short paid to the Supplier for any invoices within the time limit prescribed under GST Laws/Rules/Notifications/Circulars due to non-compliance of GST Laws/Rules/Notifications/Circulars by Supplier or any other reason attributable to Supplier and leads to any GST Input Tax Credit reversal by BEML, any losses/expenses/cost/penalty, etc incurred by BEML shall be recoverable from the Supplier.

6. Wherever applicable, BEML will have the right to deduct "Tax Deducted at Source" at the rate prescribed under the GST Laws/Rules/Notifications/Circulars and to remit the same to the Government
7. In case of supplies made under Reverse Charge Mechanism, the Supplier needs to comply with the provisions under the GST Laws/Rules/Notifications/Circulars in terms of supply of Goods/Services and raising of invoice, so as to enable BEML to remit applicable GST to Govt., within the prescribed time limit and avail GST Input Tax Credit on the same. If the Supplier fails to comply with the above and as a result if BEML incurs any losses/expenses/cost/penalty, BEML shall be entitled to recover the same from the Supplier. Further the Supplier has to mention that "the liability of payment of GST amounting to Rs ..... is on the Recipient of Service" in the invoice raised on BEML.
8. The Supplier is required to comply with the E-Way Bill Provisions under GST Laws/Rules/Notifications/Circulars. If the Supplier fails to comply with the said provisions and as a result if BEML incurs any losses/expenses/cost/penalty, BEML shall be entitled to recover the same from the Supplier.
9. In case of materials/goods issued to Supplier for Job Work, the Job Work Supplier is required to return the goods within the time limit prescribed in the Purchase Order. If the Job Work Supplier fails to return the goods as above, BEML will be entitled to raise a GST Supply Invoice on the Job Worker Supplier with applicable interest as per the provisions of GST Laws/Rules/Notifications/Circulars. In such cases, BEML will be entitled to recover all such GST/interest on GST /losses/expenses/cost/penalty, etc. incurred by BEML along with interest from the Job Work Supplier. Further in such cases where the GST invoice has been raised by BEML, on return of such goods after the prescribed time limit, the Job Work Supplier needs to return the same under GST invoice.
10. The Supplier have the option to give one Bank Guarantee of appropriate value after considering his estimated value of GST involved in invoices raised on BEML instead of Bank Guarantee for each Contract/Invoice. In case of payment through LC, suitable

provisions/clause will be inserted while opening LC to ensure compliances of above conditions. However, if at any point of time value of such Bank Guarantee falls short of GST plus interest thereof, Supplier will have to either furnish Bank Guarantee for Differential value or such shortfall value of Bank Guarantee vis-à-vis GST plus interest thereof shall be withheld till Suppliers fulfils its obligations specified under above clauses.

BEML will be entitled to recover all losses/expenses/cost/penalty, etc. incurred by BEML along with applicable interest from the Supplier due to reasons other than those attributable to BEML.

11. If the Supplier is a Composition/Unregistered Dealer, the Supplier needs to comply with the provisions under the GST Laws/Rules/Notifications/Circulars in terms of supply of Goods/Service and raising of invoice. In case, the Supplier fails to comply with the above and as a result if BEML incurs any losses/expenses/cost/penalty, BEML shall be entitled to recover the same from the Supplier along with applicable interest.

#### 41. TDS clause:

##### Applicability of TDS under Income Tax Act 1961:

- a) Tax deduction at source will be applicable on the supplies made by domestic vendors against service purchase orders at the rate as applicable and will be deducted from invoice at the time of accounting of invoice (or) at the time of payment, whichever is earlier as per Income Tax Act, 1961.
- b) Tax deduction at source will be applicable on the supplies made by foreign vendors against service purchase orders at the rate as applicable and will be deducted from invoice at the time of accounting of invoice (or) at the time of payment, whichever is earlier as per Income Tax Act, 1961 or as per law of land as well as Double Taxation Avoidance Agreement (DTAA) between the countries.

Under Income Tax Act, Sec “194Q - Deduction of tax at source on payment of certain sum for purchase of goods” has been introduced effective from 01-07-2021

Extracts of the new provision is brought out below:

1. Any person, being a buyer who is responsible for paying any sum to any resident year, shall, at the time of credit of such sum to the account of the seller or at the time of payment thereof by any mode, whichever is earlier, deduct an amount equal to 0.1 per cent of such sum exceeding fifty lakh rupees as income tax.
- 2) If seller does not have PAN, rate of TDS applicable in such cases is 5%. In such cases income tax return filed u/s 139.
3. Provisions of this section shall not apply to a transaction on which (a) tax is deductible under any of the provisions of this act; and (b) tax is collected under the provisions of section 206C other than a transaction to which sub-section (iH) of section 206C Applies.

To meet the above compliance the below points will be followed by BEML:

- TDS at applicable rate will be deducted on all purchase of goods in line with Sec 194Q of the Income Tax Act, effective from 01-07-2021.
- Rate of TDS as per the extant Govt notification is 0.1% of sum exceeding Rs.50 lakhs during the year



- Wherever PAN details are not furnished, TDS at 5% will be recovered. In such cases income tax return filed u/s 139.
  - The seller shall furnish PAN details immediately if not furnished earlier.
- Note: For the purpose of arriving at Rs 50lakhs as at 2 above, value inclusive of GST combining purchases made by all units of BEML will be considered.

**42. PRODUCT LIABILITY:** Supplier shall assume full responsibility for, indemnify and hold BEML and BEML's sub-contractors harmless from and against any liabilities, product liabilities, action, demand arising out of death of or injury to any person or damage to any property to have resulted from the defects of the ordered parts which are installed in BEML and BEML sub-contractors' rolling stocks either as original facility or as spare parts and replacement parts under the control of this agreement. The total liability of the bidder to BEML under the purchase order shall not exceed the total purchase order value including Service Purchase Order, if any. However, this shall not limit the liability of the contractor under any other provisions of the contract which expressly impose a greater liability.

**43. Placement of Order for Unit Exchange Spares (UES):**

Order shall be placed by BEML on the successful bidder at a later date (further to the M/s ICF order) tentatively by June 2027. Bidder is liable for acceptance of the order without fail. However, BEML reserves the right to place / withdraw the option of placement of order.

**44. REVERSE AUCTION RFQ:** Reverse Auction shall be conducted if Minimum 2 technically accepted firms received & Reverse auction will be as per BEML SRM norms. (refer document ReverseAuction\_RFQ for details)

**APPENDIX- A**

*(To be executed on plain paper and applicable for all tenders of value \_ Rs. 1 Crore and above)*

**INTEGRITY PACT**

**Between**

**BEML Limited (BEML) hereinafter referred to as “The Principal”**

**And**

**..... hereinafter referred to as “The Bidder/Contractor”**

**Preamble**

The Principal intends to award, under laid down organizational procedures, contract/s for

.....  
The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(s) and / or Contractor(s). In order to achieve these goals, the Principal will appoint an independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1 – Commitments of the Principal**

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
  - a) No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - b) The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
  - c) The Principal will exclude from the process all known prejudiced persons.
- (2) If the principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or it there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions.

**Section 2 – Commitment of the Bidder(s)/ contractor(s)**

- (1) The Bidder(s)/ Contractor(s) commit themselves to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
  - b) The Bidder(s)/ Contractor(s) will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
  - c) The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act; further, the Bidder(s) / Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or documents provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the name and address of the Agents/ Representatives in India, if any. Similarly, the Bidder(s)/ Contractor(s) of Indian Nationality shall furnish the name and address of the foreign Principals, if any. Further, as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Bidder(s)/Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/representative have to be in Indian Rupees only. Copy of the "Guidelines on Indian Agents of Foreign Suppliers" is placed at **Appendix (A-1)**.
  - e) The Bidder(s) / Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section 3 – Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or any other form such as to put his reliability or creditability in question, the Principal is entitled to disqualify the Bidder(s)/Contractor(s) from the tender process or act as per the procedure mentioned in the "Guidelines on Banning of business dealings".

### **Section 4 – Compensation for Damages**

- (1) If the Principal has disqualified the Bidder(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

**Section 5 – Previous Transgression**

- (1) Bidders to disclose any transgression with any other public / government organisation that may impinge on the anti-corruption principle. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The period for which such transgression (s) is / are to be reported by the bidder shall be the last three years to be reckoned from date of bid submission. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in “Guidelines on Banning of business dealings”.

**Section 6 – Equal treatment of all Bidders /Contractors /Sub-contractors**

- (1) The Bidder(s)/ Contractor(s) undertaker(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreement with identical conditions as this one with all Bidders, Contractors and subcontractors.
- (3) The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

**Section 7 – Criminal charges against violating Bidder(s) / Contractor(s) / Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or of the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer

**Section 8 – Independent External Monitor / Monitors**

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact.  
The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. It will be obligatory for him to treat the information and documents of the Bidders/Contractors as confidential. He reports to the CMD, BEML.
- (3) The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Subcontractor(s) with

confidentiality.

- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the CMD, BEML, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise submit proposals for correcting problematic situations.
- (7) If the Monitor has reported to the CMD, BEML, a substantiated suspicion of an offence under relevant IPC/PC Act, and the CMD, BEML has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (8) The word 'Monitor' would include both singular and plural.

#### **Section 9 – Pact Duration**

This pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by CMD of BEML

#### **Section 10 – Other provisions**

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Corporate Office of the Principal, i.e. Bangalore.
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the reminder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- (5) The bidder shall not approach the Courts while representing the matters to IEMs and he/ she will await their decision in the matter.
- (6) In case of joint venture, all the partners of the joint venture should sign the Integrity Pact. In

case of sub-contracting, the Principal contractor shall take the responsibility of the adoption of IP by the sub-contractor. It is to be ensured that all sub- contractors also sign IP.

- (7) In the event of any dispute between the management and the contractor relating to those contracts where Integrity Pact is applicable, in case, both the parties are agreeable, they may try to settle dispute through mediation before the panel of IEMs in a time bound manner. If required, the organization may adopt any mediation rules for this purpose.

In case, the dispute remains unresolved even after mediation by the panel of IEMs, the organization may take further action as per the terms and conditions of the contract.

The fees / expenses on dispute resolution shall be equally shared by both the parties.

- (8) In the event of any contradiction between the Integrity Pact and its Annexure, the Clause in the integrity pact will prevail

-----  
(For & On behalf of the Principal)

(Office Seal)

Place-----

Date -----

***Witness 1:***  
(Name & Address)

-----  
-----

***Witness 2:***  
(Name & Address)

-----  
-----

-----  
(For & On behalf of Bidder/Contractor)

(Office Seal)

Place-----

Date -----

***Witness 1:***  
(Name & Address)

-----  
-----

***Witness 2:***  
(Name & Address)

-----  
-----

**Appendix A-1****(Applicable Agents / Suppliers to Sign, Seal & Upload / Submit)****GUIDELINES FOR INDIAN AGENTS OF FOREIGN SUPPLIERS**

- 1.0 There shall be compulsory registration of agents for all Global (Open) Tender and Limited Tender. An agent who is not registered with BEML LTD shall apply for registration in the prescribed Application-Form available on [www.bemlindia.in](http://www.bemlindia.in).
- 1.1 Registered agents will file an authenticated Photostat copy duly attested by a Notary Public/Original certificate of the principal confirming the agency agreement and giving the status being enjoyed by the agent and the commission/remuneration/ salary/ retainer ship being paid by the principal to the agent before the placement of order by BEML LTD.
- 1.2 Wherever the Indian representatives have communicated on behalf of their principals and the foreign parties have stated that they are not paying any commission to the Indian agents, and the Indian representative is working on the basis of salary or as retainer, a written declaration to this effect should be submitted by the party (i.e. Principal) before finalizing the order.
- 2.0 DISCLOSURE OF PARTICULARS OF AGENTS/ REPRESENTATIVES IN INDIA, IF ANY:
  - 2.1 Tenderers of Foreign nationality shall furnish the following details in their offer:
    - 2.1.1 The name and address of the agents/representatives in India, if any and the extent of authorization and authority given to commit the Principals. In case the agent/representative be a foreign Company, it shall be confirmed whether it is real substantial Company and details of the same shall be furnished.
    - 2.1.2 The amount of commission/remuneration included in the quoted price(s) for such agents/representatives in India.
    - 2.1.3 Confirmation of the Tenderer that the commission/ remuneration if any, payable to his agents/representatives in India, may be paid by BEML LTD in Indian Rupees only.
  - 2.2 Tenderers of Indian Nationality shall furnish the following details in their offers:
    - 2.2.1 The name and address of the foreign principals indicating their nationality as well as their status, i.e, whether manufacturer or agents of manufacturer holding the Letter of Authority of the Principal specifically authorizing the agent to make an offer in India in response to tender either directly or through the agents/representatives.
    - 2.2.2 The amount of commission/remuneration included in the price (s) quoted by the Tenderer for himself.
    - 2.2.3 Confirmation of the foreign principals of the Tenderer that the commission/remuneration, if any, reserved for the Tenderer in the quoted price (s), may be paid by BEML LTD in India in equivalent Indian Rupees on satisfactory completion of the Project or supplies of Stores and Spares in case of operation items.
  - 2.3 In either case, in the event of contract materializing, the terms of payment will provide for payment of the commission /remuneration, if any payable to the agents/representatives in India in Indian Rupees on expiry of 90 days after the discharge of the obligations under the contract.
  - 2.4 Failure to furnish correct and detailed information as called for in paragraph-2.0 above will render the concerned tender liable to rejection or in the event of a contract materializing, the same liable to termination by BEML LTD. Besides this there would be a penalty of banning business dealings with BEML LTD or damage or payment of a named sum.

Signature  
(For & On behalf of Bidder/Contractor)

**APPENDIX-B****COMPLIANCE FOR SUBMISSION OF NON - DISCLOSURE AGGREEMENT****Bid Invitation No** :**Firm** :

Sl. No.	Clause Description	Complied / Not Complied	Remarks
01	Interested Bidders have to submit Non-Disclosure Agreement as per the prescribed format provided by BEML along with this tender.		

**Authorized signatory with company seal / stamp**



## APPENDIX – C

**COMPLIANCE REPORT OF GENERAL TERMS & CONDITIONS**

(To be submitted along with Technical Bid)

**Bid Invitation No** :**Firm** :**Item details** :

Sl. No.	Terms / Clause	Complied	Not Complied	Remarks
1.	DEFINITIONS & INTERPRETATIONS			
2.	SUBMISSION OF THE TENDER			
3.	PURCHASE PREFERENCES			
4.	SUPPLIERS SHARING LAND BORDER WITH INDIA			
5.	DELIVERY TERMS			
6.	PAYMENT			
7.	PRICE BID VALIDITY			
8.	FIRM PRICE			
9.	INSPECTION			
10.	WARRANTY			
11.	PERFORMANCE BANK GUARANTEE (PBG)			
12.	RIGHT TO VARY QUANTITIES & QUANTITY OPTION CLAUSE			
13.	LIQUIDATED DAMAGES CLAUSE			
14.	RISK PURCHASE CLAUSE			
15.	SECRECY AND CONFIDENTIALITY			
16.	AUTHORITY OF PERSONS SIGNING DOCUMENT			
17.	ACCEPTANCE OF ORDER			
18.	OTHER CONDITIONS			
19.	PRICE, INVOICING AND PAYMENT			
20.	PROGRESS REPORT			
21.	QUALITY & WORKMANSHIP			

**Authorized signatory with company seal / stamp**

## APPENDIX – C

**COMPLIANCE REPORT OF GENERAL TERMS & CONDITIONS**

(To be submitted along with Technical Bid)

**Bid Invitation No** :**Firm** :**Item details** :

22.	QUALITY, CONDITION OF DELIVERY			
23.	SUPPLY OF SAMPLE (If Applicable)			
24.	INSPECTION, TESTING & CONSEQUENCE OF REJECTION			
25.	LAWS APPLICABLE			
26.	RAWMATERIALS ARRANGEMENT			
27.	IDENTIFICATION OF ITEMS / PIECES			
28.	PACKING AND MARKING			
29.	APPLICABLE LAWS AND JURISDICTION OF COURTS			
30.	JURISDICTION			
31.	ARBITRATION			
32.	INTELLECTUAL PROPERTY RIGHTS; LICENSES			
33.	BRIBES AND GIFTS			
34.	FORCE MAJEURE CLAUSE			
35.	FALL CLAUSE			
36.	NON DISCLOSURE AND INFORMATION OBLIGATIONS			
37.	ASSIGNMENT OF RIGHTS AND OBLIGATIONS; SUBCONTRACTING			
38.	DIVISION OF PATRONAGE			
39.	INTEGRITY PACT			
40.	GST TERMS & CONDITIONS			
41.	TDS CLAUSE			
42.	PRODUCT LIABILITY			
43.	Placement of Order for Unit Exchange Spares (UES)			
44.	REVERSE AUCTION RFQ			

**Authorized signatory with company seal / stamp**

**APPENDIX – X**

SL No.	Description	Complied / Not-Complied	Remarks
1	Defect Notification Period:  <b>DNP starts from date of supply of materials and ends after 30 months from the date of placement of trains into revenue service.</b>		
2	All necessary spares, consumables and any other material for preventive maintenance as per Operation and Maintenance Manual(s) required till the completion of <b>DNP</b> shall be supplied at free of cost and shall be kept on site at his own cost.		
3	There will be additional requirement of “Cab Side Window Glass & Frame Assy” for repair/replacement during CAMC period (15 Years) of revenue service. <b>The supplier has to give concurrence</b> for the additional requirement & support on as & when required basis.  CAMC will start after successful completion of Defect Notification Period (DNP).		

**APPENDIX D****PERFORMANCE BANK GUARANTEE**

Bank Guarantee No.....  
 Dated .....  
 Amount .....  
 Valid upto .....  
 Claim upto .....

The General Manager (Materials- Management)

BEML

Bangalore Complex

PB No 7501

New Thippasandra

Bangalore 560075

1. This deed of Guarantee made this day of..... (Month& year) between Bank of..... (Hereinafter called the "Bank") of the one part, and BEML LIMITED (Hereinafter called "the Employer") of the other part.
2. Whereas BEML LIMITED has awarded the contract for..... (Name of work as per PO) (Hereinafter called the "Contract") to..... (Name of the Contractor) (Hereinafter called "the Contractor").
3. AND WHEREAS the Contractor is bound by the said Contract to submit to the Employer a Performance Security for a total amount of.....(Amount in figures and words).
4. Now, We the Undersigned.....(Name of the Bank) being fully authorized to sign and to incur obligations for and on behalf of and in the name of.....(Full name of Bank), hereby declare that the said Bank will guarantee the Employer the full amount of Rs. .... (Amount in figures and words) as stated above.
5. NOW THEREFORE, We hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor and we hereby unconditionally, irrevocably and without demur undertake to immediately pay to the Employer upon first written demand and without cavil or argument, any sum or sums within limits of.....(Amount of Guarantee) as aforesaid without reference to the Contractor and without your needing to prove or show grounds or reasons for your demand for the sum specified therein. The Bank shall pay to the Employer any money so demanded notwithstanding any dispute/disputes raised by the Contractor in any suit or proceedings pending before any Court, Tribunal or Arbitrator/s relating thereto and the liability under this Guarantee shall be absolute and unequivocal.
6. This Guarantee is valid till.....(The initial period for which this Guarantee will be valid must be for at least 6-months (six months) longer than the anticipated expiry date of defect liability period / Warranty period as stated in Clause 11 of Annexure IV - Notice Inviting Tenders.
7. At any time during the period in which this Guarantee is still valid, if the Employer agrees to grant a time extension to the Contractor or if the Contractor fails to complete the Works within the time of completion as stated in the Contract, or fails to discharge himself of the liability or damages or debts as stated under Para 5, above, it is

understood that the Bank will extend this Guarantee under the same conditions for the required time on demand by the Employer and at the cost of the Contractor.

8. The Bank agrees that no change, addition, modifications to the terms of the Contract Agreement or to any documents, which have been or may be made between the Employer and the Contractor, will in no way release us from the liability under this Guarantee; and the Bank, hereby, waives any requirement for notice of any such change, addition or modification to the Bank.
9. The Guarantee here in before contained shall not be affected by any change in the Constitution of the Bank or of the Contractor.
10. The neglect or forbearance of the Employer in enforcement of payment of any moneys, the payment whereof is intended to be hereby secured or the giving of time by the Employer for the payment hereof shall in no way relieve the bank of their liability under this deed.
11. The expressions "the Employer", "the Bank" and "the Contractor" hereinbefore used shall include their respective successors and assigns.
12. Notwithstanding anything contained herein:
  - (a) Our liability under this Bank Guarantee shall not exceed Rs.....  
(Rs.....)
  - (b) This Bank Guarantee shall be valid up to.....
  - (c) We are liable to pay the Guarantee amount or part thereof under this Bank Guarantee only & only if you serve upon us a written claim or demand on or before

In witness whereof I/We of the bank have signed and sealed this Guarantee on the.....day of..... (Month & year) being herewith duly authorized.

For and on behalf of the .....Bank.

**Signature of Authorized Bank officials.**

Name :.....

Designation : .....

Stamp/Seal of the Bank.....

Signed, sealed and delivered for and on behalf of the Bank by the above named .....in the presence of:

**Witness 1.**

Signature.....

Name.....

Address.....

**Witness 2.**

Signature.....

Name.....

Address.....

**APPENDIX- E****CONFIDENTIALITY AGREEMENT****(To be typed on plain paper and submitted along with the technical bid)**

This Confidentiality Agreement is made and entered into between M/s BEML, (hereinafter referred to as BEML), a Govt. of India Undertaking under Ministry of Defence, having its Registered Office at BEML Soudha, No.23/1, 4th Main, Sampangirama Nagar, Bangalore – 560 027 and M/s ----- (hereinafter referred as XXXX) having its Registered Office at..... M/s. BEML, has been patronizing XXXX for components / spares listed in Annexure hereto. A need has been felt to revitalize the business relationship for mutual advantage.

- 1) It is mutually, therefore, agreed that the following shall form part of the terms and conditions for continued business:
  - a) The supplier shall not divulge to anyone else except under the authority and for the purpose of BEML, all information such as technical data, specifications, drawings, models of specimens furnished / supplied by BEML for the purpose of manufacture or in connection with developmental activities, constitute the property of BEML and the supplier shall keep them in strict confidence. This has been explicitly stated in all the details to the supplier through Purchase Order / Drawings etc., released.
  - b) The supplier shall not supply the components / spares exclusively manufactured for BEML with the Technical Data / Specifications / assistance furnished by BEML and shall not disclose my initiations, development of adaptations thereof to anyone else except with the written consent of BEML.
  - c) BEML shall be entitled to prevent breach of the above and to claim damages in case of any breach. It is hereby mutually agreed that for breach of this agreement the Vendor shall pay, without actual proof of damages, a liquidated amount of Rs. 1.00 Crore (Rupees One Crore only).
  - d) **ARBITRATION:** In the event of any question or disputes arising under these conditions or any other terms and conditions of contract or in connection with this contract (except as to any matters the decision of which is specially provided for by these conditions) the same shall be referred to an award of a Sole to be appointed by BEML with the consent of the Contractor / Vendor Supplier and the Arbitration proceedings of Arbitration and Conciliation Act 1996. The Courts in Bangalore alone shall have jurisdiction to deal and decide any legal matter or dispute whatsoever arising out of this Contract.
- 2) BEML shall be entitled to prevent breach of the above and to claim damages in case of any breach.
- 3) The Signatories hereto declare that they have the sanction and power to execute and deliver this binding agreement.

IN WITNESS WHEREOF, the parties hereto have set their respective hands to this Confidentiality Agreement on ..... written in the presence of Witness.

**For BEML****For M/s. XXXX****WITNESS:**

1.

1.

2.

2.

## APPENDIX – F

**DECLARATION TO CLAIM PURCHASE PREFERENCE UNDER PUBLIC  
PROCUREMENT POLICY - PREFERENCE TO 'MAKE IN INDIA' ORDER 2017**

**(To be executed in plain paper and to be submitted along with technical bid)**

Preference shall be given to Class-I local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products.

The Bidder shall self certify (or) provide a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving percentage of local content.

**In cases of procurement for a value in excess of Rs.10 crores, Class-I local supplier / Class-II local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving percentage of local content**

\*\*\*\*

We, M/s \_\_\_\_\_ with its registered office at \_\_\_\_\_ claim purchase preference under Public Procurement Policy – Preference to 'Make in India' Order 2017

CONDITION	Bidder to tick (√ ) the respective Boxes	
	COMPLIED	NOT COMPLIED
The Goods / Items / Stores, offered meets the minimum local content of 50% . Local content means the amount of value added in India which shall be the total value of the item / Goods/ Stores procured (excluding net domestic Indirect taxes) minus the Value of the import content in the item (including all custom duties) as a proportion of the total value in Percent		
The Goods / Items / Stores, offered meets the minimum local content of more than 20% and less than 50% . Local content means the amount of value added in India which shall be the total value of the item / Goods/ Stores procured (excluding net domestic Indirect taxes) minus the Value of the import content in the item (including all custom duties) as a proportion of the total value in Percent		
Address of Location(s) at which the local value addition is made.		

**Authorized signatory with company seal / stamp**

## APPENDIX – G

**CERTIFICATE FOR LAND BORDER SHARING**

**(To be executed in plain paper and to be submitted along with technical bid)**

**Bidders to refer, GOI office memorandum No. F.No.6/18/2019-PPD of Department of Expenditure Public Procurement Division, amended time to time and its subsequent Orders/Notifications**

The Bidder accordingly Certifies as below:

“ I / We, have read the clause regarding restrictions on procurement from the bidder of a country which shares a land border with India; I certify that the Bidder / Vendor is not from such a country or, if from such a country, has been registered with the Competent Authority. I here by Certify that this Vendor / Bidder fulfills all requirements in this regard and is eligible to be concerned for procurement on BEML SRM / GeM ”

[ Where ever applicable, evidence of valid registration by the Competant Authority shall be attached]

**Authorized signatory with company seal / stamp**



**APPENDIX – H****COMPLIANCE REPORT FOR QUALIFICATION / ELIGIBILITY CRITERIA****(As per Annexure -1)**

(To be submitted along with Technical Bid)

**Bid Invitation No :****Firm :**

SL No	Particulars	Whether the bidder meets the requirements (Yes/No)	Details of documentary proof attached	Remarks
1	<p><b>QUALIFICATION CRITERIA</b></p> <p>As per Clause 4 of PTS of Cab Window Glass with Frame assembly (PTS ref: FPIIC/TD/063 dated 16/09/2025)</p> <p>1) Subcontractor shall be an Original Equipment Manufacturer (OEM) of cab side window glass assembly, Insulated Glass Unit (IGU), Laminated Safety Glass and Toughened Safety Glass for High-speed trains (operating speed – 250 kmph and above and design speed -280kmph) having experience in Design, manufacturing, testing and commissioning of cab side window glass assembly, or an authorized distributor with declaration from OEM on their letter head for technical support for cab side window glass assembly during design/development, testing and commissioning, service trials and revenue service.</p> <p>2) The proposed type of cab side window glass assembly shall be of sound proven design and reliable engineering practices.</p> <p>3) The proposed type of cab side window glass assembly meeting the projectile requirements as per EN 15152 should have should have been manufactured and supplied by the subcontractor against regular order (not development order) and have been in revenue service with satisfactory performance in train sets operating at speed of 250 kmph and above, in at</p>			

	<p>least three(03) projects for minimum 3 years prior to the bid opening date.</p> <p>4) Satisfactory revenue service performance certificates for a period 03 years or more from high-speed train operators/Rolling Stock manufacturers for the above shall be submitted along with technical offer.</p> <p>5) The subcontractor meeting this requirement only will be considered for technical evaluation</p> <p>6) The cab side window glass assembly should not have any quality issues in the on-going / completed supplies.</p> <p>7) The subcontractor shall hold ISO 9001-2015 / IRIS certification and shall manufacture the products accordingly.</p> <p>8) The subcontractor shall submit company profile with infrastructure facilities, product range, credentials of sub-contractors made to high-speed rail project etc., along with technical offer.</p> <p>9) The firm should undertake to provide the support during Testing &amp; Commissioning, service trials and revenue service either by themselves or through sister company or a partner in India. The firm shall submit detailed proposal in this regard.</p> <p>10) The firm should give an undertaking to supply spares and service support for a minimum period of 15 years from the date of commercial operation of each trainset.</p>			
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**Authorized signatory with company seal / stamp**

**APPENDIX – I**

**CLAUSE BY CLAUSE COMPLIANCE REPORT TO BEML PTS: FPIIC/TD/063 DATED  
16/09/2025**

(To be submitted along with Technical Bid)

**Please refer enclosed document ref: “CbyC\_PTS\_FPIIC\_TD\_063”**

**Authorized signatory with company seal / stamp**

**LIST OF DOCUMENTS ATTACHED WITH THE TENDER**

1. Notice Inviting Tender (NIT)
2. Non-Disclosure Agreement (NDA) Format
3. Qualification / Eligibility Criteria (Annexure-1).
4. Procurement Technical Specifications (PTS) document ref: FPIIC/TD/063 dated 16/09/2025
5. Clause by Clause Compliance format against PTS
6. ReverseAuction\_RFQ (Applicable in case Reverse Auction Event is conducted)

**Contact Details:**

Email ID: [ravikumar.adepu@bemltd.in](mailto:ravikumar.adepu@bemltd.in) / [Prasanna.n@bemltd.in](mailto:Prasanna.n@bemltd.in)

Phone: 080-25022639 / 080-25022634

**Address Details for Sending Original Hard Copy of Non-Disclosure Agreement**

Kind Attn: Mr. Prasanna N  
DGM (MM B/O Rail BC)  
Functional Head- Purchase- Commuter Rail  
M/s. BEML LIMITED  
BANGALORE COMPLEX,  
POST BOX: 7501,  
NEW THIPPASANDRA POST,  
BANGALORE-560075

**PRE BID MEETING**

Pre-bid meeting will be organized on **06/10/2025 @ 1 PM** at the below address / Video Conference

**BEML Limited**  
**New Thippasandra**  
**Bangalore - 560075**

Interested Bidders may please attend the Pre-bid meeting.

Pre-Bid meeting Participants are requested to fill the following details and submit to Email ID: [ravikumar.adeptu@bemlltd.in](mailto:ravikumar.adeptu@bemlltd.in) / [Prasanna.n@bemlltd.in](mailto:Prasanna.n@bemlltd.in) for registering the attendance and updating the records against the subject Tender.

SL No.	Organization Name & Address	Representative Name & Designation	Contact Details Email ID & Mobile No.

Pre-Bid Meeting ID & Password details are as under:

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**Microsoft Teams** [Join the meeting now](#)

Meeting ID: 489 772 360 182 4

Passcode: H8sA2Fw2

---

**Join on a video conferencing device**

Tenant key: [365053093@t.plcm.vc](mailto:365053093@t.plcm.vc)

Video ID: 131 928 819 4

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- Email ids for correspondence : [ravikumar.adeptu@bemlltd.in](mailto:ravikumar.adeptu@bemlltd.in) / [prasanna.n@bemlltd.in](mailto:prasanna.n@bemlltd.in) / [mahanthesh.gm@bemlltd.in](mailto:mahanthesh.gm@bemlltd.in)
- Any Pre bid queries/clarifications may be sent to the above mail ids 1 day prior to Pre bid meeting.
- It is suggested that all the interested bidders may participate in the pre-bid meeting & obtain all the clarifications before submitting the bids.
- Any modification of tender conditions which may become necessary as a result of the pre-bid meeting, shall be made by BEML and the same will be intimated in SRM portal.
- All Corrigenda, Addenda, Amendments, Clarifications etc, if any issued shall be part of the Bidding documents. Prospective Bidders shall sign the same with seal and upload as a part technical bid

## **NON-DISCLOSURE AGREEMENT**

This Non-Disclosure Agreement (hereinafter referred to as “the Agreement”) is made on this.....day of ..... (“Effective date”) by and between:

**BEML Limited**, a Govt. of India Undertaking under the administrative control of Ministry of Defence, Government of India and a company incorporated under the provisions of Companies Act 1956, having its registered & Corporate Office at BEML SOUDHA", 23/1, 4th Main, SR Nagar, Bengaluru-560 027, represented by **Mr. Prasanna.N, DGM, Materials, Commuter Rail SBU** (hereinafter referred to as “The Principal”/“BEML”, which expression shall mean and include its successors in interest and permitted assigns) on the First Part

AND

M/s ..... having its registered Office at ..... represented by its ..... Mr./Ms. .... (hereinafter called as “The contractor”, which expression shall mean and include its successors in interest and permitted assigns) on the Other Part.

Hereinafter the Principal and the contractor shall be collectively referred as the “Parties” and individually referred to as a “Party” in reference to this agreement.

### **1.0 PURPOSE**

Ministry of Railways (hereinafter referred to as MOR), Government of India have decided to develop indigenous trainsets for speeds of 280/249 km/h on Standard Gauge through BEML (“Project”).

The purpose of this Agreement is to enable the contractor to properly manage and maintain the confidentiality of the information being provided or disclosed by The Principal for the development of the indigenous trainset compatible with the Project.

### **2.0 DEFINITIONS**

The following terms as used in this Agreement are defined as follows:

#### **2.1 “Confidential Information” shall mean:**

Confidential information as provided or shared by the Principal, in connection with or relating to the Project, to the contractor, any information related to the Project (such as, but not limited to technical documents and technical data, business documents, drawings and commercial data) including written information, and information contained in any form of media or device, that is clearly identified by The Principal as ‘confidential’/‘Proprietary’ at the time of its disclosure.

#### **2.2 Notwithstanding anything else contained in this Agreement, the Confidential Information shall not include any information:**

- (a) that is, at the time of its disclosure, possessed by the contractor without owing any confidentiality obligation;
  - (b) with regard to the technology or knowledge that is independently developed by the contractor without use of or reference to any Confidential Information;
  - (c) that is properly acquired by the contractor from a third party without owing any
-

confidentiality obligation and such third party is not in breach of any confidentiality obligation relating to such information.

- (d) that the Principal, by prior written consent, permits the disclosure (however subject to terms and conditions of such consent from the Principal).
- (e) that is disclosed by the Principal to a third party without imposing any confidentiality obligation thereon; or
- (f) that subsequently becomes publicly known for a reason other than that attributable, directly or indirectly, to the contractor after its disclosure.

### **3.0 CONFIDENTIALITY**

**3.1** The contractor shall be obligated to keep the Confidential Information in confidence with the reasonable care of a good manager and shall not disclose or divulge the Confidential Information to any third party. Upon discovery of any breach of this Agreement or improper disclosure or misuse of the Confidential Information, the contractor shall notify the Principal and shall take all necessary actions to prevent any further breach, improper disclosure or misuse, including by causing the persons to whom the contractor disclosed the Confidential Information to agree and adhere to non-disclosure terms similar to those set forth in this Agreement.

**3.2** Notwithstanding Section 3.1 above, the contractor may disclose Confidential Information:

(i) to the extent necessary, to (a) The contractor's officers and employees (hereinafter collectively referred to as the "Employees") who need to know such Confidential Information for purposes of the Project, (b) lawyers, advisors and other specialists owing confidentiality obligations under applicable laws, regulations or agreements and who are engaged by the contractor to render services in connection with the Project (c) potential subcontractors/manufacturers/suppliers of the contractor and (ii) in accordance with applicable laws, rules and regulations, and any mandatory order by a court with jurisdiction or other public agency with jurisdiction; provided, however, that, if, and legally permitted to do so, the contractor shall promptly notify the Principal and take reasonable steps to assist the Principal in contesting such order or otherwise in protecting the Principal's rights prior to disclosure, to minimize the Confidential Information which is disclosed to follow such order.

**3.3** The contractor shall impose upon all of the employees who have or have had access to the confidential information, confidentiality obligations which continue after such Employee's retirement/resignation /leave from the contractor, equivalent to those of the contractor under this Agreement and shall ensure such Employees comply there with. The contractor shall be jointly and severally responsible with such Employees (including former Employees) for any breach of such confidentiality obligations by such Employees (including former Employees).

**3.4** The contractor shall insert the relevant clause in their agreement/contract to impose the same obligation as stipulated in this Agreement to other members, consultants, subcontractors, attorneys, manufacturers, suppliers etc. as stated at Section 3.2 above.

Provided always that for breach of the confidentiality obligation by the consultants, subcontractors, attorneys, manufacturers, suppliers etc., the Contractor shall be held liable and responsible for its consequences.

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#### **4.0 INTELLECTUAL PROPERTY RIGHTS**

The Parties have expressly understood and agreed that all rights, including but not limited to those rights for property and intellectual property rights (including but not limited to patent rights, design rights, copyrights, trade secret rights and all other intellectual and industrial property rights of any sort throughout the world, the same shall apply hereinafter), regarding the Confidential Information or any other information mutually shared among the Parties will remain the exclusive property rights of the Principal.

#### **5.0 NO WARRANTIES**

The contractor has expressly understood and agreed that the Principal only have obligation under or by virtue of this Agreement to enter into furnishing, trading, development, or technology licensing agreement, or any other agreement, any products, services, or any technologies with respect to the Project.

The Principal does not warranty on the accuracy or suitability of the Confidential /Proprietary Information being exchanged under this Agreement and all Confidential Information is provided on an "As Is" basis.

#### **6.0 EXPORT CONTROL**

Parties hereby confirm and agree to adhere to the Export Control laws and regulations and perform any necessary procedures, including obtaining export permits.

#### **7.0 DAMAGES**

The Contractor agrees to indemnify, save and hold harmless the Principal from and against any and all losses, liabilities, expenses (including, legal fees and costs), claims, liens, damages or the like (limited to common direct damages actually incurred) incurred by the Principal as a result of any breach of any provision of this Agreement.

#### **8.0 GOVERNING LAW**

This Agreement shall be governed by and construed in accordance with the laws of the Republic of India.

#### **9.0 JURISDICTION**

This NDA shall be subject to the exclusive Jurisdiction of courts at Bangalore.

#### **10.0 DISPUTE RESOLUTION:**

The Parties shall endeavor to resolve all disputes arising out of this Agreement or relation thereto, amicably through mutual discussions through their authorized representatives or by negotiation, mediation, conciliation etc.

In case of disputes between CPSE's or a Government Department(s)/Organization(s)

Any unresolved disputes between the parties shall be settled

by referring the same to AMRCD forum of DPE, Government of India in terms of the DPE OM No. 05/0003/2019-FTS-10937 dated 14.12.2022 and DPE OM No : 05/0002/2023-AMRCD dated 25/07/2024 in case of Government agencies.

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(In case of Private firms)

Any unresolved disputes shall be referred to and resolved by arbitration with the rules of Arbitration of the India International Arbitration Centre (IIAC), New Delhi. The Arbitration shall consist of a Sole Arbitrator to be appointed in accordance with the Rules of IIAC. The arbitration proceedings shall take place/seat of arbitration shall be New Delhi, and be conducted in the English Language. The Arbitration proceedings will be administered by the India International Arbitration Centre (Conduct of Arbitration) Regulations, 2023 and all arbitration proceedings shall be conducted in English language. The award of the sole arbitrator shall be final and binding on all the parties

## **11.0 TERM**

11.1 The effective term of this Agreement shall be for a six (6) years period from the date hereof, and thereafter automatically extended for successive period of one (1) year each, unless each party shall have otherwise notified to the other parties in writing at least one (1) month prior to the expiry of this agreement or any extension thereof.

11.2 Notwithstanding the above, the obligations of the contractor in relation to the Confidential Information shall survive after the termination of this Agreement.

11.3 Upon the termination of this Agreement, or at any time prior thereto upon the written request of The Principal, The contractor shall cease all use of and shall promptly return to The Principal (at the expense of the contractor), or shall promptly destroy in accordance with the reasonable instructions of The Principal, all of the Confidential Information it received that is in tangible or electronic/digital form (including but not limited to originals, all summaries, copies and excerpts). In the event of its destroying, the contractor shall destroy such Confidential Information by the way of non-reusable.

## **12.0 MISCELLANEOUS**

12.1 This Agreement constitute the entire agreement between the Parties as to the subject matter hereof and supersedes any and all previous agreements or communication, whether oral or written, as to its subject matter. It may be modified only by the written agreement of the Parties.

12.2 Any confidential information disclosed to contractor by The Principal before execution of this Agreement shall be treated subject to this agreement.

12.3 If any provision or provisions of this Agreement declared invalid or unenforceable, such invalidity or unenforceability shall not render the entire agreement invalid. Rather, this Agreement shall be construed as if not containing the particular invalid or unenforceable provision, and the right and obligations of each Party shall be construed and enforced accordingly.

12.4 No failure or delay by each Party in exercising any right, power or privilege hereunder shall operate as a waiver thereof nor shall any single or partial exercise thereof preclude any other or further exercises of any rights, powers or privileges hereunder.

12.5 This Agreement constitutes a non-disclosure agreement only and shall not be construed as a teaming, joint venture or other such arrangement. Nothing in this Agreement shall grant any Party the right to make commitments of any kind for or on behalf of the other Party without the prior written consent of the such other Party.

13 It is expressly understood and agreed by and between.....and BEML that BEML is entering into this agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood and agreed that the Government of India is not a party to this agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that BEML is an independent legal entity with power and authority to enter into contracts solely in its own behalf under the applicable Laws of India and general principles of Contract Law. .... expressly agrees, acknowledges

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and understands that BEML is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly,..... hereby expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Government of India arising out of this contract and covenants not to sue the Government of India as to any manner, claim, cause of action or thing whatsoever arising of or under this agreement"

"Whereof, the parties hereto have caused this Agreement to be executed on the day, month and year specified below.

For & on behalf of **The Principal**

For and on behalf of **The contractor**

Signed by

Signed by

Name

Name

Position

Position

Date

Date

Company

Company

Company Stamp

Company Stamp

WITNESSES:

1 Signed by

2. Signed by

Name

Name

Designation

Designation

---

**Cab Side Window Glass with Frame Assy  
for  
High-Speed Rail (B280) Project**

**QUALIFICATION / ELIGIBILITY CRITERIA  
(As per Clause 4 of PTS Doc No. FPIIC/TD/063 dated 16-09-2025)**

SL No	Particulars
1	<p><b>4. Qualification Criteria</b></p> <p>1) Subcontractor shall be an Original Equipment Manufacturer (OEM) of cab side window glass assembly, Insulated Glass Unit (IGU), Laminated Safety Glass and Toughened Safety Glass for High-speed trains (operating speed – 250 kmph and above and design speed -280kmph) having experience in Design, manufacturing, testing and commissioning of cab side window glass assembly, or an authorized distributor with declaration from OEM on their letter head for technical support for cab side window glass assembly during design/development, testing and commissioning, service trials and revenue service.</p> <p>2) The proposed type of cab side window glass assembly shall be of sound proven design and reliable engineering practices.</p> <p>3) The proposed type of cab side window glass assembly meeting the projectile requirements as per EN 15152 should have been manufactured and supplied by the subcontractor against regular order (not development order) and have been in revenue service with satisfactory performance in train sets operating at speed of 250 kmph and above, in at least three(03) projects for minimum 3 years prior to the bid opening date.</p> <p>4) Satisfactory revenue service performance certificates for a period 03 years or more from high-speed train operators/Rolling Stock manufacturers for the above shall be submitted along with technical offer.</p> <p>5) The subcontractor meeting this requirement only will be considered for technical evaluation</p> <p>6) The cab side window glass assembly should not have any quality issues in the on-going / completed supplies.</p> <p>7) The subcontractor shall hold ISO 9001-2015 / IRIS certification and shall manufacture the products accordingly.</p> <p>8) The subcontractor shall submit company profile with infrastructure facilities, product range, credentials of sub-contractors made to high-speed rail project etc., along with technical offer.</p> <p>9) The firm should undertake to provide the support during Testing &amp; Commissioning, service trials and revenue service either by themselves or through sister company or a partner in India. The firm shall submit detailed proposal in this regard.</p> <p>10) The firm should give an undertaking to supply spares and service support for a minimum period of 15 years from the date of commercial operation of each trainset.</p>




	<b>BEML LIMITED BENGALURU</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	1/23

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## TRAIN B28

### Procurement Technical Specification of Cab Side Window Glass with Frame assembly

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Approved	16-09-2025	Mahanthesh G M	
Reviewed	16-09-2025	Krishna Prasad B N	
Prepared	15-09-2025	R Abinaya	
	Date	Name	Signature



	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	3/23

## Table of Contents

<b>1. Introduction .....</b>	<b>5</b>
1.1. General.....	5
1.2. Trainset Configuration.....	5
<b>2. General Requirements .....</b>	<b>6</b>
2.1. Climatic and Environmental Conditions.....	6
2.2. Performance Requirements of Train .....	7
<b>3. Definitions and Abbreviations .....</b>	<b>8</b>
3.1. Definitions .....	8
3.2. Abbreviations .....	8
<b>4. Qualification Criteria .....</b>	<b>8</b>
<b>5. Standards.....</b>	<b>9</b>
<b>6. Technical Requirements .....</b>	<b>11</b>
6.1. General.....	11
6.2. Proven Design .....	11
6.3. Cab side window glass with frame .....	12
6.4. Weight .....	16
6.5. Bonding and Adhesive Support.....	16
6.6. Fire Safety .....	17
6.7. Quality Assurance Program .....	17
<b>7. Scope of Supply .....</b>	<b>18</b>
7.1. General.....	18
7.2. Cab side window glass and frame.....	18
7.3. Process and Raw material .....	19
7.4. Submission of Documents .....	19
7.5. Packing.....	19
7.6. ICF's Spec. & PTS Compliance .....	19
<b>8. Testing and commissioning .....</b>	<b>20</b>
8.1. General.....	20
8.2. Equipment Type Test & Routine Test.....	21
<b>9. First Article Inspection (FAI).....</b>	<b>22</b>
<b>10. Installation and Commissioning.....</b>	<b>23</b>
<b>11. Warranty.....</b>	<b>23</b>

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	4/23

**12. Appendices .....23**

**13. Submittals with Technical Offer .....23**

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	5/23

## 1. Introduction

### 1.1. General

- 1) This document specifies the technical requirements of Cab Window Glass with frame to be supplied for Train B28 project designed to operate at 249 kmph and test speed of 280kmph. The Cab side window glass with frame with frame shall comply in all respects to this PTS.
- 2) BEML will carry out all required works and activities as Contractor to the Employer for this project, while the subcontractor shall be responsible for all works required in this PTS with regard to Cab side window glass with frame and shall be responsible for supporting the BEML activities as contractor for NHSRCL/ICF project.
- 3) The scope of work covers design, development, testing, manufacture, supply, commissioning and integrated testing of the Cab side window glass with frame and the training of Operation and Maintenance personnel of the owner on the Cab side window glass and frame.
- 4) The scope of work includes all items of work which will be required to meet the performance requirements, reliable and efficient operation of trains and meeting the best international practices even if not specifically mentioned in this PTS.

### 1.2. Trainset Configuration

The trainset configuration is as follows:

For 8-Car formation: 2 basic units, each unit consisting of 4 cars.

\*DTC1 + MC1 + TC1(PRM) + MC2 + MC1 + TC2(Ex)+ MC2 + DTC2 \*

DTC1/ DTC2 : Driving Trailer Car,

MC1 / MC2 : Motor Car

TC1(PRM) : Trailer Car with PRM seat,

TC2-Ex - Trailer Car (Executive Car with PRM)

Below shown the reference image for Cab Window Glass identification.



	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	6/23



Figure 1: Window arrangement

## 2. General Requirements

### 2.1. Climatic and Environmental Conditions

The car shall operate reliably and safely under the climatic and environmental conditions as specified below. Accordingly, the glasses shall be designed to operate with satisfactory performance under the following conditions.

Description	Limiting Values
Atmospheric Temperature	Minimum temperature -5°C Maximum temperature 50°C Maximum touch temperature of metallic surface under the sunlit and shade shall be considered and calculated as per ASHRAE 2021.
Humidity	100% saturation during rainy season
Solar radiation	Value and calculation method shall be based on ASHRAE 2021.
Altitude	1000 meter above mean sea level
Rainfall	Very heavy and continuous rainfall in certain areas (heavy continuous rainfall up to 2500mm, rainy season is as long as 5 months in some stretches)
Atmosphere conditions	Extremely dusty and desert terrain in certain areas. The dust concentration in air may reach a high value of 1.6 mg/m <sup>3</sup> .
Coastal area	Humid, salt laden and corrosive atmosphere as prevailing in coastal region.
Wind speed	High wind speed in certain areas, with wind pressure reaching 216 kg/m <sup>2</sup> . [Note-2]
Flood level	The Train shall function in accordance with these Specifications and Standards in the event of flooding up to 50 mm above Rail Level as follows: <ul style="list-style-type: none"> <li>In the event of flooding at any level below Rail Level, the Train shall operate in full compliance with these Specifications and Standards.</li> </ul>

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	7/23

	<ul style="list-style-type: none"> <li>In the event of flooding at a height between Rail Level and 50 mm above Rail Level, the Train shall operate in full compliance with these Specifications and Standards with the exception that it is permissible to restrict the operation of the Train to a maximum of 10 km/h.</li> </ul> <p>Allowance is to be made in addition for increase in the height of water level due to the “bow wave” effect of the Train passing through the water.</p>
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Note-1]: Ambient temperature for HVAC calculations shall be based on the highest temperature of the Indian region specified in ASHRAE-2021.

[Note-2]: Depending on the operational rule, special speed limits shall be imposed on the Train Sets in conditions where wind speed is 20 m/s or greater. Train Set operation shall cease at wind speeds of 30 m/s or greater.

In developing the detailed design, the Subcontractor shall acquaint himself and take note of the environmental operating conditions prevailing on IR specially during heavy monsoon, track flooding conditions, saline, humid and dusty atmosphere etc.

## 2.2. Performance Requirements of Train

The performance requirements of the train shall be governed according to following table.

Item	Values
Maximum operational speed during service	249 kmph
Maximum Design speed	280 kmph
Minimum deceleration during full service braking following jerk limit as specified	0.8 m/s <sup>2</sup>
Maximum deceleration at any speed	1.2 m/s <sup>2</sup>
Jerk rate (Maximum)	0.7 m/s <sup>3</sup> during full service braking (for all speed range) 1 m/s <sup>3</sup> during emergency braking (for speeds >10kmph)
Passenger load	80 kg/person Appx. 76 persons/ car.
Average running distance of a rake	2,000 km/day

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	8/23

### 3. Definitions and Abbreviations

#### 3.1. Definitions

The following definitions and abbreviations are applicable to the PTS.

- "Employer" means ICF -Chennai, its legal successors and assignees.
- "Nominated Agency" shall mean NHSRCL and its representatives including an ISA (if any) deployed by NHSRCL for the purpose of carrying out Design approvals, Tests, Trials etc.
- "BEML" means the Contractor to procure the Cab side window glass with frame for High-speed rail project (Train B28).
- "Subcontractor" means the Subcontractor who supplies the required Cab side window glass with frame to BEML for Train B28 project. Subcontractor shall carry out the works in accordance with this PTS with regard to Cab side window glass with frame.
- "Contract" means the contract between Subcontractor and BEML in relation to the supply of Cab side window glass with frame for High-speed Rail project.
- "Engineer" means any person nominated or appointed from time to time by the Employer to act as the Engineer for the purposes of the Contract and notified as such in writing to the Contractor.

#### 3.2. Abbreviations

The following abbreviations shall be used as applicable:

ICF: Integral Coach Factory, Chennai, Indian Railways

NHSRCL: National High Speed Rail Corporation Limited

### 4. Qualification Criteria

- 1) Subcontractor shall be an Original Equipment Manufacturer (OEM) of cab side window glass assembly, Insulated Glass Unit (IGU), Laminated Safety Glass and Toughened Safety Glass for High-speed trains (operating speed – 250 kmph and above and design speed -280kmph) having experience in Design, manufacturing, testing and commissioning of cab side window glass assembly, or an authorized distributor with declaration from OEM on their letter head for technical support for cab side window glass assembly during design/development, testing and commissioning, service trials and revenue service.
- 2) The proposed type of cab side window glass assembly shall be of sound proven design and reliable engineering practices.
- 3) The proposed type of cab side window glass assembly meeting the projectile requirements as per EN 15152 should have should have been manufactured and supplied by the subcontractor against regular order (not development order) and have been in revenue service with satisfactory performance in train sets operating at speed of 250 kmph and above, in at least three(03) projects for minimum 3 years prior to the bid opening date.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	9/23

- 4) Satisfactory revenue service performance certificates for a period 03 years or more from high-speed train operators/Rolling Stock manufacturers for the above shall be submitted along with technical offer.
- 5) The subcontractor meeting this requirement only will be considered for technical evaluation
- 6) The cab side window glass assembly should not have any quality issues in the on-going / completed supplies.
- 7) The subcontractor shall hold ISO 9001-2015 / IRIS certification and shall manufacture the products accordingly.
- 8) The subcontractor shall submit company profile with infrastructure facilities, product range, credentials of sub-contractors made to high-speed rail project etc., along with technical offer.
- 9) The firm should undertake to provide the support during Testing & Commissioning, service trials and revenue service either by themselves or through sister company or a partner in India. The firm shall submit detailed proposal in this regard.
- 10) The firm should give an undertaking to supply spares and service support for a minimum period of 15 years from the date of commercial operation of each trainset.

## 5. Standards

The design, testing and manufacturing of window glass shall conform to the latest editions of internationally recognized Standards viz., Indian, American, European, Japanese, ISO, etc.

Following standards shall be considered as minimum:

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	10/23

SI No.	Standard No./ Code No.	Title
1.	EN 15152:2019+A1:2023	Railway applications - Windscreens for trains
2.	GMRT 2100 Issue: Six Date: March 2020	Rail Vehicle Structures and Passive Safety
3.	ISO 22752:2021	Railway Applications – Bodyside windows for rolling stock
4.	IS: 2553 Part-I: 2018	Safety Glass – Specification Part 1: Architectural, Building and General uses
5.	IS: 2553 Part-II, Annex A: 2019	Safety Glass – Specification Part 2 For Road Transport
6.	EN 17460:2022	Railway applications – Adhesive bonding of rail vehicles and their components
7.	EN 50126-1:2017	Railway Applications - The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS) - Part 1: Generic RAMS Process
8.	IEC 61133:2016	Railway applications - Rolling stock - Testing of rolling stock on completion of construction and before entry into service
9.	UIC 660: 2002	Measures to ensure the technical compatibility of high-speed trains
10.	EN 45545-1:2013+A1: 2015 (Part 1-7)	Railway applications - Fire protection on railway vehicles.
11.	EN 45545-2 : 2020 + A1 :2023	Railway applications -Fire protection on railway vehicles -Part 2: Requirements for fire behaviour of materials and components
12.	EN 45545-4	Railway applications - Fire protection on railway vehicles - Part 4: Fire safety requirements for rolling stock design
13.	EN 12663-1, Cat P-1: 2023	Railway applications - Structural requirements of railway vehicle bodies - Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons).
14.	UIC 564-1, 1979	Coaches - Windows made from safety glass
15.	UIC 566:2004	Loadings of coach bodies and their components
16.	EN 17530:2022	Railway applications. Interior glazing for rail vehicles
17.	ASTM E903, 2020	Standard Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres
18.	ASTM E308: 2008	Standard Practice for Computing the Colors of Objects by Using the CIE System
19.	EN 410:2011	Glass in building. Determination of luminous and solar characteristics of glazing

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	11/23

20.	EN 673:2011	Glass in building- Determination of thermal transmittance.
21.	EN 12150	Glass in Building: Thermally toughened soda lime silicate glass
22.	EN 12758/EN ISO 10140	Glass in building – glazing and airborne sound insulation.

## 6. Technical Requirements

### 6.1. General

- 1) The subcontractor shall meet the Cab side window glass with frame requirements for the design, development, manufacture, supply, testing, delivery, commissioning and integrated testing, including the training of operation and maintenance staff of the ICF/NHSRCL.
- 2) The subcontractor shall support in all aspects in obtaining customer clearance of the proto type the Cab side window glass with frame after successful completion of tests. The subcontractor shall carry out any modification/alteration based on results of the tests on the prototype if required. The subcontractor shall carry out necessary modifications at no additional charge on all trains and shall support in delivering the prototype train.

### 6.2. Proven Design

- 1) The proposed Cab side window glass with frame by the sub-contractor should have been proven design i.e., the design of equipment components etc., shall be based on sound, proven and reliable engineering practices. The proposed type of the Cab side window glass with frame shall have proven credentials in trainsets of 250 kmph and above operational speed, in at least one project. The sub-contractor may conduct such tests and trials as may be necessary to establish the reliability and efficiency of such technology and designs in accordance with the good industry practice.
- 2) The subcontractor shall manufacture and supply the Cab side window glass with frame only from such manufacturing units that have supplied the Cab side window glass with frame that fulfill the proven design requirements as above.
- 3) The subcontractor shall be fully responsible, for the suitability, adequacy, integrity, durability and practicality of the proposed the Cab side window glass and frame. The subcontractor shall warrant that the subcontractor's proposals meet this PTS requirements and is fit for the purpose thereof. Where there is any inadequacy, insufficiency, impracticality or unsuitability in or of the specification requirements or any part thereof, the subcontractor's proposal shall take into account, address or rectify such inadequacy, insufficiency, impracticality or unsuitability at subcontractor's own cost.
- 4) The subcontractor shall warrant that the works have been or will be designed, manufactured, installed and otherwise constructed and to the highest standards available using proven up-to-date good practice.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	12/23

### 6.3. Cab side window glass with frame

- 1) Cab side windows shall be made of curved / flat PVB laminated glass acc. to EN 15152 (bodyside window), color clear.
- 2) The glazing must withstand the max. excess pressure 2700 Pa / max. depression -4800Pa in case of the shock wave at the passing of trains.
- 3) Light transmission: not less than 70%. Colour will defined in during detail design stage.
- 4) Noise attenuation:  $R_w > 32\text{dB}$
- 5) Heat transfer coefficient:  $\sim 5.0 \text{ W/m}^2\text{K}$
- 6) Cab side window shall be labelled. The label position shall be defined in later stages. The marking shall be readable from inside the cab.
- 7) Composition of the glass structure is to be defined by sub-contractor considering requirements listed below. Sub-contractor shall calculate thickness of the glass for operation parameters and submit the details along with technical offer.
- 8) Solid black silkscreen shall be used and the size shall be defined in detail design stage.
- 9) The cab side window shall reduce the effects of glare, distortions, loss of visibility and loss of recognizability of instruments in the cab. This is deemed to be fulfilled by the use of glass of any degree of tinting or by other types of sun protection.
- 10) As the cab side window is defined as emergency exit, it should have a minimum unimpeded opening of 0,2 m<sup>2</sup> with a minimum inner dimension of 400 mm x 500mm. Detail dimension and size will be provided during detail design phase.
- 11) The cab side window frame shall comprise of fixed frame and hinged openable window leaf frame.
- 12) Frame shall be glued and bolted from inner side of FRP. Glazing/glass shall be incorporated by A1 bonded joint in hinged frame.
- 13) Cab side Windows shall be aligned with outer skin of the carbody.
- 14) Subcontractor shall be responsible for optimal sealing solutions from external environmental conditions (temperature, wind, rain, snow, dust, salt).
- 15) For hinged windows, the operating force should not be higher than 62 N and for pulling not higher than 55 N.
- 16) Where glass is used in glazing (including mirrors), it shall be either laminated or toughened glass which is in accordance with a relevant national or international standard with regard to the quality and area of use, thereby minimizing the risk to passenger and staff being injured by breaking glass.
- 17) Window leaf shall be hinged and shall be able to open inside.
- 18) Swivel part of the window shall be capable to be de-attached from the fixed frame for easy service replacement when needed.
- 19) Fixed dumper to limit opening angle of the window shall be implemented. Max. Opening angle to be defined.



	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	13/23

- 20) Window shall be equipped with open/closed status sensor and communicate with TCMS.
- 21) The glazing must withstand the max. excess pressure 2900 Pa / max. depression -6200Pa in case of the shock wave at the passing of trains and fatigue loads of  $\pm 1605$  Pa.
- 22) The Sub-contractor shall submit estimated weight and shall be approved by BEML. Weight shall not be more than 20 kg per glazing.
- 23) The shape and size of the Cab side window glass with frame is tentative. Final shape and size will be revised after the cab mask design.
- 24) The window frame shall be either powder coated or painted to match exterior colour scheme and shall be perform satisfactory in climatic conditions specified at clause 2.1

### 6.3.1. Technical Characteristics of Cab side window glass and frame

The subcontractor shall meet the following technical characteristics as a minimum.

Sl. No.	Technical Data		Test Method	Requirement
1	Visual Inspection		EN 15152	-
2	Dimensional Inspection	2D	-	As per drawing dimensions
		3D	Surface profile gauge	To match with 3D CAD model
3	Tolerance	Length	-	To be provided by subcontractor
		Height		
		Thickness		
		Bending		
4	Light transmittance test		EN 15152, CIE 38, Illuminant A	$\geq 70\%$
5	Secondary image test		EN 15152	Secondary image separation shall not exceed: 1) Maximum 15 min of arc in primary vision area 2) Maximum 25 min of arc in secondary vision area
6	Optical distortion test		ISO 3538 EN 15152 Clause 4.2.3	The limit of optical distortion shall be: 1) Maximum 2.5 min of arc in primary vision area.



	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	14/23

			2) Maximum 6.5 min of arc in secondary vision area.
7	Chromaticity for red and yellow signal lamp	EN 15152	As per section 5.2.5 of EN 15152
8	Residual visibility	EN 15152	As per sec 6.2.3
9	Resistance to abrasion	ISO 3537 EN 15152 Clause 6.3	Resulting change of haze after abrasion shall not exceed 2% for test of outside surface and 8 % for the test of inside surface.
10	Haze	EN 2155-9 EN 15152 Clause 5.2.3	≤ 2.5% for new windshield
13	Accelerated weathering test (QUV)	EN 15152	As per section 7.2.2 of EN 15152
14	Thermal Cycling	EN 15152 clause 7.2.3	No significant change (no bubbling, delamination & whitening) shall be observed more than 10 mm from uncut edges and more than 15 mm from cut edges.
15	Humidity test	EN 15152 Clause 7.2.4	No significant change (no bubbling, delamination & whitening) shall be observed beyond 10 mm from uncut edges and beyond 15 mm from cut edges.
17	Projectile test (Impact)	EN 15152 Clause 6.1.3	The projectile does not penetrate the side windscreen and the windshield remain in its frame.
18	Gravelling Impact Resistance	As per EN 15152 clause 6.4	Outer layer of the side windscreen sample does not break at a projectile speed 20 km/h greater than the design speed of the train.
19	Dew point test	As per UIC 566	As per clause 4.2.2.1, the sealing of glazing shall be checked by determining dew point. There should be no trace of condensation or rime between the panes before the temperature has reached -60 °C

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	15/23

20	Noise transmission test	ISO 10140-2	$\geq 32$ dB
21	U value (heat transfer coefficient)	EN 673	$\leq 5.0$ W/m <sup>2</sup> K.
22	Emergency escape function	ISO 22752	As per clause 4.2.8 of ISO 22752
23	Endurance test (open and close test)	ISO 22752	As per clause 4.4.2 of ISO 22752
24	Aerodynamic fatigue loading	ISO 22752	Max. excess Pressure 2900 Pa / max. depression -6200Pa and fatigue loads of $\pm 1605$ Pa.
25	Static strength of window	ISO 22752, 4.2.2	Max. excess Pressure 2900 Pa / max. depression -6200Pa
26	Air tight	-	When closed and locked, there shall be no leakage of air.
27	Painting or Powder coated frame	-	Shall meet minimum 1000 hrs salt spray , cleaning agent resistance, good adhesion and shall perform satisfactory in climatic conditions as per sec. 2.1

### 6.3.2. Painting of Cab side window frame

- 1) All exposed surface of the cab side window frame shall be painted / powder coated with system proven in High-speed rail application.
- 2) The Subcontractor shall propose the system which is proven in high-speed rail Exterior application. The Paint system shall will be with anti-graffiti properties.
- 3) The paint/coating systems shall have excellent substrate and intercoat adhesion, outstanding long term corrosion protection, good resistance to oils and cleaning agents, very high order of abrasion, chip, impact and scratch resistance.
- 4) The paint/coating system shall display a uniformity of colour throughout its service and shall not fade.
- 5) The paint/coating system shall withstand frequent use of various cleaning products (alkaline or acid detergents, petroleum solvents, mechanical action of brushes) without losing their colour or noticeable deterioration of their surface aspect.
- 6) The paint/coating system shall meet Fire safety requirement of EN45545-Part 2, HL2 condition for and Exterior applications.
- 7) Paint/coating system used for Exterior applications shall have excellent UV and weather resistance characteristics.
- 8) Paint/coating system surfaces shall have a service life of at least 15 years.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	16/23

- 9) The sub-contractor shall submit the details of the Proven Paint/coating system he proposes to adopt and obtain BEML/NHSRCL approval. The details of the highspeed rail project in which the proposed system is used and its satisfactory performance in revenue service shall be submitted.
- 10) The supporting mechanical and fire performance test reports for adopted painting system shall be submitted along with offer

#### 6.4. Weight

- 11) To minimize energy costs, great importance will be placed on achieving practical designs of minimum car weight whilst meeting specified structural and performance requirements. Accordingly, the weight of the Cab side window glass with frame shall be kept to a minimum. The measured weight of Cab side window glass with frame shall not exceed by more than +4% of the estimate weights /as per relevant drawings.
- 12) The subcontractor shall submit details of estimated weights and center of gravity for Cab side window glass with frame along with the technical offer.

#### 6.5. Bonding and Adhesive Support

The sub-contractor shall provide support by designing bonding joint (bonding area) and its calculations with Adhesive Engineer and shall provide the detail process to establish desired bonding strength, check point/method to ensure correct application of the adhesive bond.

Subcontractor shall adopt bonding EN 17460 Class A1 or A2 requirements.

The Adhesive Engineer may provide the following details required for efficient bonding design/strength:

- 1) Adhesive properties and surfaces considering modulus of elasticity, Poisson's ratio and flow curve of adhesive for design calculations.
- 2) Documentation, test records and reports as per requirement.
- 3) The bonding calculations shall include Load resistance of bond under operating conditions i.e.
  - Quasi static strength.
  - Elongation at break after relaxation.
  - Creep behavior
  - Fatigue behavior
  - Crash/Impact behavior
  - Moisture, chemical and thermal resistance.
- 4) The subcontractor shall provide proof of reduction of load resistance provided and permissible design load resistance.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	17/23

## 6.6. Fire Safety

### 6.6.1. General

- 1) All non-metallic Materials used in the construction of Cab side window glass with frame shall be selected to reduce to the maximum extent practical the heat load, rate of heat release, propensity to ignite, rate of flame spread, smoke emission and toxicity of combustion gases
- 2) The Cab side window glass with frame shall comply with fire safety requirements of EN45545-2, for HL2 for the R1/R7 requirement set.

### 6.6.2. Fire Load Calculation

- 1) The maximum heat release rate per car shall be restricted to low levels.
- 2) Fire load calculation for all non-metallic materials have to be calculated with heat release rate data tested in accordance with EN 45545 HL2 and ISO 1716. The calculations shall be submitted as the source of heat value.

### 6.6.3. Fire Performance Deliverables

The subcontractor shall submit the fire performance deliverables in accordance with following table, before the production of proto-Cab side window glass with frame .

Sl. No.	Deliverables
1	Fire safety Test Reports of all non-metallic items including heat release rate, as per EN 45545 HL2 and ISO 1716

## 6.7. Quality Assurance Program

### 6.7.1. General

The subcontractor shall hold ISO 9001:2018 / IRIS certification and shall manufacture the product accordingly. The subcontractor shall submit a copy of ISO 9001:2018 / IRIS certification along with the offer. The subcontractor shall monitor and control the Quality systems as per ISO 9001:2018/IRIS guidelines. BEML and/or ICF's representative may periodically conduct compliance audits of the Subcontractor's Quality management system.

### 6.7.2. Quality assurance plan

The subcontractor shall submit Quality Assurance Plan (QAP) based on ISO 9001-2018 / IRIS guidelines during the preliminary design phase for manufacture and inspection of the Cab side window glass with frame and to be submitted for BEML/NHSRCL/ICF for approval.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	18/23

## 7. Scope of Supply

### 7.1. General

- 1) The subcontractor shall be responsible for the scope of supply of the Cab side window glass with frame which shall comprise, unless specifically excluded, the design, manufacture, testing, delivery, commissioning, and rectification of defects. Further the sub-contractor shall supply the necessary associated equipment to facilitate operation and maintenance of Cab side window glass with frame which includes special tools and testing equipment, spare parts, operation and maintenance manual and training
- 2) Note: If any special tools / equipment's are required for installation of Cab side window glass with frame onto carbody, the subcontractor shall supply 2 sets of such equipment at his own cost.
- 3) The Subcontractor shall meet the system technical requirements for Cab side window glass with frame as per sec .6.3.

### 7.2. Cab side window glass and frame

- 1) The Subcontractor will be provided with concept 3D model of cab side window frame.
- 2) The subcontractor shall be responsible for following activities.
  - a) The subcontractor shall get involved with BEML nominated design consultant for detail designing of cab side window glass with frame.
  - b) Complete cab side window glass and its fittings shall be designed by subcontractor inline with concept design. The design shall include 3D model and 2D drawings
  - c) Subcontractor shall develop full 3D model (namely component level installation/mounting methodology viz., bracket, hinges, locks, rubber profiles extrusions etc.,) and 2D manufacturing drawings of all parts including mounting brackets, hinges, passenger amenities and installation drawings with carbody.
  - d) Sub-contractor shall submit all 3D models and 2D drawings to BEML/NHSRCL for approval before taking up for manufacture
  - e) All the fittings including concealed hinges, locks, rubber profiles, brackets, sealants, fasteners, handles etc required to mount the panels to carbody shall be in subcontractor scope.
  - f) Develop required tooling for manufacturing.
  - g) Shall carryout Type tests at any NABL approved laboratory and routine tests and submit the reports.
  - h) Manufacture and supply cab side window glass with frame.
  - i) Installation of cab side window glass on the car at BEML Ltd will be in BEML scope. Subcontractor shall support BEML team in installation to carbody, for first proto train set.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	19/23

- 3) The sub-contractor shall be responsible to ensure that the Cab side window glass with frame supplied meet the environmental condition specified at Clause 2.1 of this document.

### 7.3. Process and Raw material

Sub-Contractor shall submit details of process and raw materials, proposed to be used in manufacturing of Cab side window glass and frame.

### 7.4. Submission of Documents

The sub-contractor shall submit the following documents as a minimum, as per the timelines specified by BEML, during detail design phase.

- ✓ Type test procedure document covering all the tests as per PTS and applicable standard.
- ✓ FAI Procedure document.
- ✓ Type test & FAI reports
- ✓ Fire safety test reports on the Cab side window glass with frame produced for this project
- ✓ Weighment document with Actual weights of the glass
- ✓ Material test certificates.
- ✓ Dimensional check sheets

### 7.5. Packing

The sub-contractor shall pack properly in order that in transit and after supply of the Cab side window glass with frame to the place allocated by BEML, no damage to the Cab side window glass with frame shall occur.

#### 7.5.1. Engineering Support

The subcontractor shall provide technical assistance by attending the design discussion & Design review meeting with NHRCL/ICF, along with BEML team, until design is approved by NHRCL/ICF.

### 7.6. ICF's Spec. & PTS Compliance

- 1) The subcontractor shall offer a valid and fully compliant proposal for the Cab side window glass with frame as detailed in ICF's Spec. and PTS.
- 2) The subcontractor shall submit, along with the technical offer, the Clause-by-Clause Compliance for ICF's Spec. and PTS.

**Offers with Non-compliance and deviations to any of the in ICF's Spec. and PTS clauses with regard to above items, are liable for rejection.**

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	20/23

## 8. Testing and commissioning

### 8.1. General

- 1) The subcontractor shall submit Inspection, Testing and Commissioning Plan according to the technical requirements during the design stage.
- 2) The Cab side window glass and frames shall be type and routine-tested in accordance with detailed respective test procedures to be drawn up by subcontractor and agreed by BEML/NHSRCL/ICF which shall take into account the requirements of respective international standards and this PTS and test program drawn up by the subcontractor to demonstrate that the individual equipment, sub-systems and systems meet the specified technical requirements. The test plan shall be approved by BEML/NHSRCL/ICF.
- 3) Wherever any equipment, system or sub-system is not specifically covered by an internationally recognized specification or test procedure, or where the type and routine tests prescribed by IEC or other international standard do not adequately cover the requirement, tests which are acceptable both to the subcontractor and to BEML/NHSRCL/ICF, shall be devised.
- 4) Type tests for certain equipment may be waived if these were carried out earlier on equipment of identical design, witnessed by a reputed organization and the service performance of such equipment was found to be reliable. The subcontractor shall submit a proposal in this regard to BEML/NHSRCL/ICF for review. The waiver of Type Test is entirely at the discretion of BEML/NHSRCL/ICF.
- 5) Change of manufacturing place may require re-type test.
- 6) BEML / ICF reserves the right to witness any or all of the tests, and to require submission of any or all test specifications and reports. BEML/NHSRCL/ICF reserves the right to reasonably call for additional tests as are considered necessary. BEML/NHSRCL/ICF may, if considered necessary, call for conducting optional tests as per relevant standards without any additional cost to BEML/NHSRCL/ICF. In case of repetition of tests, as decided by BEML/NHSRCL/ICF, entire cost including that of BEML/NHSRCL/ICF representative(s) shall be borne by the subcontractor.
- 7) The results of all tests shall be submitted to the BEML/NHSRCL/ICF, who will record his conclusions as to whether or not the equipment being tested has passed satisfactorily.
- 8) The Subcontractor shall be responsible for undertaking and passing all necessary testing activities for Cab side window glass and frame.
- 9) Prior to the start of testing, BEML & ICF shall have all approved test plans and procedures for the test and all relevant prerequisite testing shall have been completed by subcontractor.
- 10) Type test of Cab side window glass with frame at train level will be responsibility of subcontractor. Subcontractor shall depute their engineers to conduct the vehicle level type test at BEML factory and Depot /Mainline for testing as per schedule prepared by BEML's project management team.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	21/23

- 11) Subcontractor shall arrange all necessary tools & instruments for relevant Vehicle/ train level type tests.
- 12) If there is a problem during testing & commissioning, the subcontractor should depute his engineer to solve the problem within 24 hours of BEML's request to do so.
- 13) All test & inspection specifications and reports including all repair activities and check-lists shall be submitted to and approved by BEML/NHSRCL/ICF.

## 8.2. Equipment Type Test & Routine Test

- 1) The Cab side window glass with frame shall be type and routine tested in accordance with technical requirements and to relevant standard at subcontractor's works, at his own cost.
- 2) All such tests, wherever performed, in the presence of and to the satisfaction of BEML/NHSRCL/ICF, who reserves the right to witness any or all of the tests and to require submission of any or all test specifications and reports.
- 3) BEML/NHSRCL/ICF reserves the right to reasonable call for additional test, if necessary.
- 4) The subcontractor shall carryout the following type tests and routine tests as a minimum and shall submit the reports.

Sl. No.	Technical Data	Test Method	Type Test	Routine Test
1.	Visual Inspection	ISO 22752	O	Every batch production
2.	Dimensional Inspection	As per drawing dimensions	O	Every batch production
3.	Light Transmittance test	EN 15152	O	-
4.	Secondary image test	EN 15152	O	-
5.	Optical distortion test	EN 15152	O	-
6.	Chromaticity for red and yellow signal lamp	EN 15152	O	-
7.	Resistance to abrasion	EN 15152	O	-
8.	Haze	EN 15152	O	-
9.	Thermal Cycling	EN 15152	O	-
10.	Residual visibility	EN 15152	O	-
11.	Accelerated weathering test (QUV)	EN 15152	O	-
12.	Humidity test	EN 15152	O	-



	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	22/23

Sl. No.	Technical Data	Test Method	Type Test	Routine Test
13.	Gravelling Impact Resistance	EN 15152	O	-
14.	Endurance test (open and close test)	ISO 22752	O	-
15.	Aerodynamic fatigue loading	ISO 22752	O	-
16.	Static strength of window	ISO 22752, 4.2.2	O	-
17.	Dew point	UIC 566	O	-
18.	Noise transmission test	ISO 10140-2	O	-
19.	U value( heat transfer coefficient)	EN 673	O	-
20.	Painting or Powder coated frame	-	O	-
21.	Air tightness	-	O	Every batch production

' O ' ; to be tested

' – ' : Not applicable

## 9. First Article Inspection (FAI)

- 1) The subcontractor shall offer the first set of Cab side window glass with frame for First Article Inspection by BEML/ ICF in accordance with the Engineer approved FAI plan prior to serial production, in order to confirm that the item produced fully complies with the technical specifications, System design and manufacturing process. After clearance from BEML/NHSRCL/ICF, mass production shall be taken up.
- 2) FAI shall be carried out by the ICF/ICF nominated agency as per relevant standard/International practices/specifications. If ICF desires, in process inspection can be carried out at manufacturing stage also.
- 3) At the FAI, the subcontractor shall make available all pertinent design and manufacturing process documentation, test records, material certifications, gauges calibration/certificate etc.
- 4) If FAI has to be repeated due to non-compliances/ deficiencies noticed, the cost towards the same and the cost towards BEML/NHSRCL/ICF 's visit to subcontractor's place for witness of re-FAI shall be to subcontractor's responsibility
- 5) Subcontractor shall note that the Engineer FAI clearance will not relieve the subcontractor's responsibility towards design, production, quality, reliability, availability, maintainability and safety of the systems and sub-systems during the revenue service.

	<b>PTS of Cab Window Glass with Frame assembly</b>	Doc. No.	FPIIC/TD/063
		Date	16-09-2025
		Rev. No.	0
		Page No.	23/23

## 10. Installation and Commissioning

- 1) After the Cab side window glass with frame are delivered, the subcontractor shall depute his Engineer for the installation and commissioning of the Cab side window glass with frame on the First Train set.
- 2) Modifications/ corrections, if any, shall be carried out by the subcontractor at his own cost.

## 11. Warranty

Please refer to GTC.

## 12. Appendices

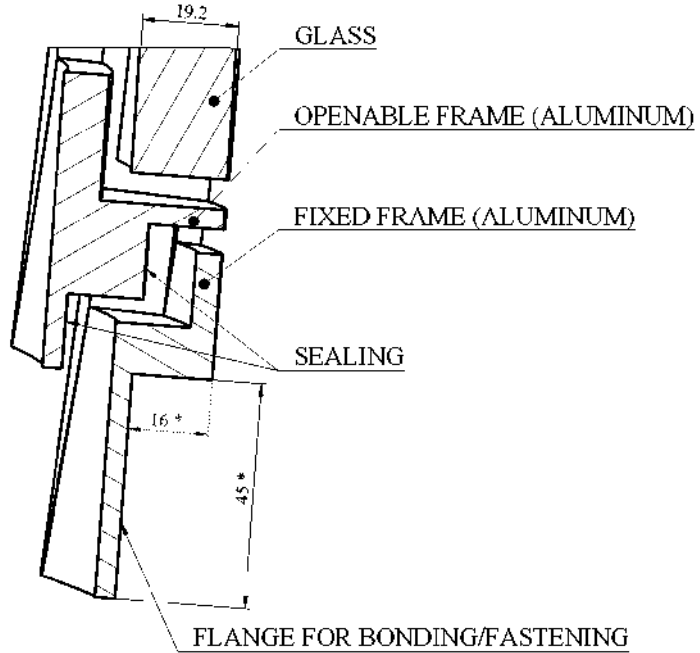
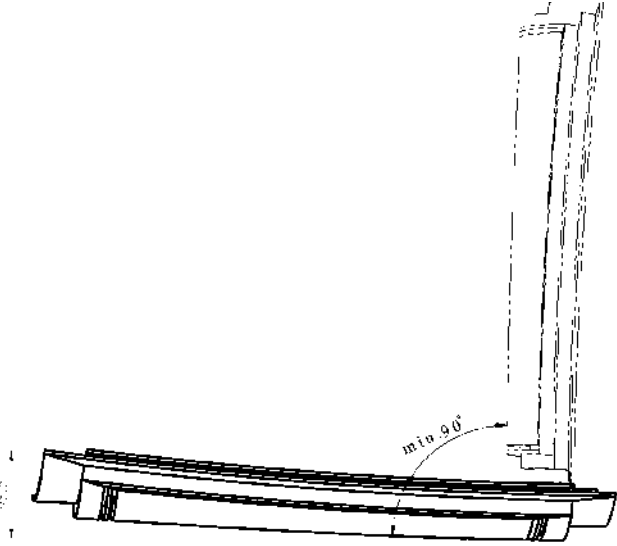
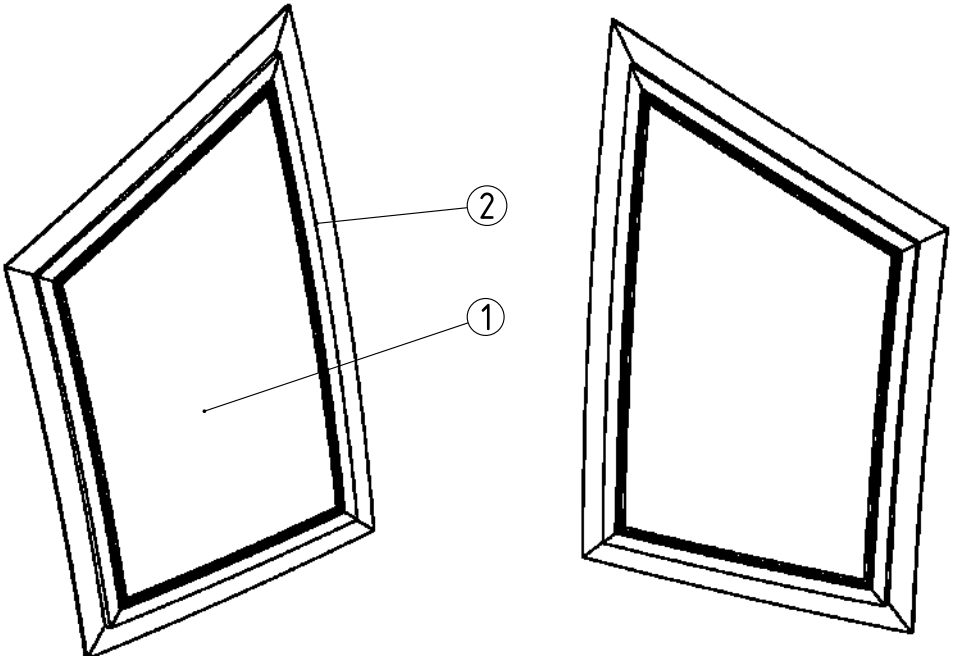
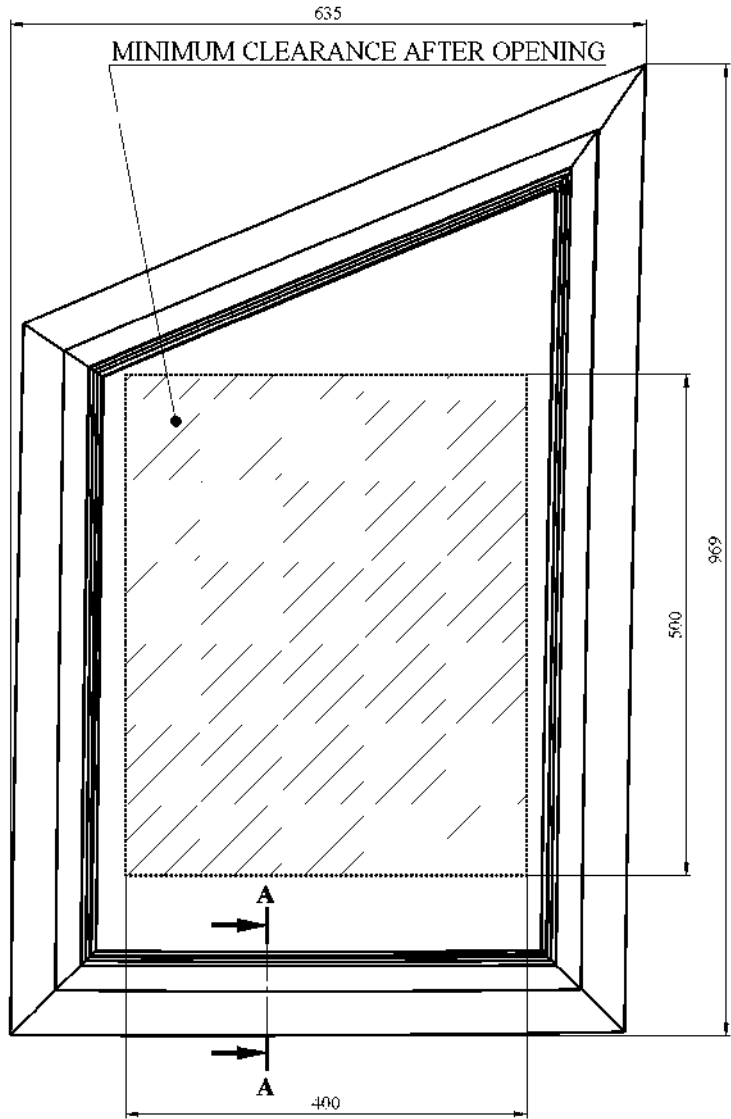
- 1) Drawings
- 2) Technical offer submittals check list.

## 13. Submittals with Technical Offer

The Subcontractor shall provide as a minimum, the following along with the technical offer.

- 1) Complete Technical Offer Cab side window glass with frame including compositions/construction details, thickness proposed, technical description and technical data sheets of raw materials of Cab side window glass and frame, PVB & edge protection sealant, etc.
- 2) Supporting documents for Qualification Criteria compliance including, company profile with infrastructure facilities, product range, supply credentials etc., (Clause 4)
- 3) Estimated weight of Cab side window glass and frame.
- 4) Fire safety test report copies of earlier projects.
- 5) Clause-by- Clause compliance for this PTS

3		2					1				
MACHINING DEVIATIONS FOR LINEAR DIMENSIONS CLASS - MEDIUM		RANGE	0.5 - 3	3 - 6	6 - 30	30 - 120	120 - 400	400 - 1000	1000 - 2000	2000 - 4000	
TOLERANCE		±0.1	±0.1	±0.2	±0.3	±0.5	±0.8	±1.2	±2	±2.5	
GENERAL TOLERANCES FOR LINEAR & ANGULAR DIMENSION SHALL BE AS PER ISO 2768-1						GENERAL GEOMETRICAL TOLERANCES SHALL BE AS PER ISO 2768-2					
GENERAL TOLERANCES FOR WELDED STRUCTURE SHALL BE AS PER ISO 13920						VALUES OF SURFACE TEXTURE SHALL BE AS PER ISO 1302					
WELDING SHALL BE CARRIED OUT AS PER EN 15085-3			WELDING PROCESS SHALL BE AS PER EN ISO 4063			STATUS: PROTO					
WELDING SYMBOLS SHALL BE AS PER EN ISO 2553			WELDING POSITIONS SHALL BE AS PER EN ISO 6947								
QUALITY LEVELS FOR IMPERFECTIONS IN FUSION WELDED JOINTS SHALL BE AS PER EN ISO 5817											
WELD JOINT PREPARATIONS SHALL BE AS PER EN ISO 9692 & EN 15085-3											
						INSPECTION & TESTING OF WELDED JOINTS SHALL BE AS PER EN 15085-5					




Section view A-A  
Scale: 1:1

S. No	Sub assembly no.	Part no.	Description	Remark
1	843-13006-01	843-13107-01	CAB SIDE WINDOW GLASS - LH	AS DRAWN
		843-13108-01	CAB SIDE FRAME - LH	
2	843-13006-02	843-13107-02	CAB SIDE WINDOW GLASS-RH	OPP. HAND DRAWN
		843-13108-02	CAB SIDE FRAME-RH	

2	1	SEE TABLE	CAB SIDE FRAME	~ 969 X 635 MM		
1	1	SEE TABLE	CAB SIDE WINDOW GLASS	~ 760 X 490 MM		
SL No.	QTY	PART / STOCK No.	DESCRIPTION	SIZE (mm)	COMPANY STD./S	Wt. (kg)
			PRODUCT	TRAIN B28		
			REF. DRG.	---		
			MATERIAL	---		
			HEAT TREAT.	---	APPD	KRISHNA PRASAD 19.09.25
			SURFACE TREAT.	---	REVD	KRISHNA PRASAD 19.09.25
			TITLE	---	CHKD	KRISHNA PRASAD 19.09.25
			CAB SIDE WINDOW GLASS & FRAME ASSEMBLY		DRWN	ABINAYA 19.09.25
			SCALE	1:1	SHEET	1 OF 1
			BANGALORE COMPLEX		DRG No.	843-13006
ALT No.	ECN No./CHANGES		DATE	BY	APPD	ALT

- NOTE
1. ALL DIMENSIONS ARE IN MM.
  2. MATERIAL : LAMINATED GLASS COMPOSITION WITH FRAME.
  3. THIS DRAWING SHALL BE TREATED AS REFERENCE ONLY AND MINOR CHANGES MAY OCCUR DURING DETAIL DESIGN AND SAME SHALL BE ACCOMODATED.
  4. WINDOW ENVELOPES, UNDIMENSIONED RADII, INNER AND OUTER SKIN ACCORDING TO 3D
  5. LH WINDOW AS DRAWN, RH WINDOW IS SYMMETRICAL.
  6. TECHNICAL PROPOSAL SHALL INCLUDE ALL RELEVANT ZONES IN DETAIL DESCRIBED ON 3D/2D.
  7. SUPPLIER SHALL INDICATE REQUIRED MOUNTING DIMENSIONS WITH TOLERANCES.
  8. DETAILED SEALING TYPE AND DIMENSIONS IS IN SCOPE OF SUPPLIER (MARKED ON DRAWING)
  9. SCOPE OF DELIVERY :
    - a) WINDOW GLASS
    - b) WINDOW FRAME
    - c) SPARE PARTS
  10. THE FRAME SHALL BE PAINTED OR POWDER COATED.


## APPENDIX-2 OF PTS

	<b>TECHNICAL OFFER SUBMITTALS CHECK SHEET</b>	<b>Project</b> Train B28 project
<b>Aggregate:</b>	<b>Cab Window Glass with Frame assembly</b>	<b>PTS DOC No.: FPIIC/TD/063</b>
<b>BEML Enquiry/ RFQ Reference:</b>		

SL.NO.	DETAILS	SUBMITTED	NOT SUBMITTED
1	Complete Technical Offer Cab side window glass with frame including compositions/construction details, thickness proposed, technical description and technical data sheets of raw materials of Cab side window glass and frame, PVB & edge protection sealant, etc.	<input type="checkbox"/>	<input type="checkbox"/>
2	Supporting documents for Qualification Criteria compliance including, company profile with infrastructure facilities, product range, supply credentials etc., (Clause 4)	<input type="checkbox"/>	<input type="checkbox"/>
3	Estimated weight of Cab Window Glass and frame		
4	Fire safety test report copies of earlier projects.	<input type="checkbox"/>	<input type="checkbox"/>
5	Clause-by- Clause compliance for this PTS.	<input type="checkbox"/>	<input type="checkbox"/>

**Note : Incomplete submissions are liable for Rejection.**

-----  
Signature of the Bidder with Seal

	<b>Clause by Clause Compliance Sheet</b>	Project	High Speed Rail
		Page	1/1
	<b>Procurement Technical Specification of Cab Side Window Glass with Frame assembly for High Speed Rail (B28) Project</b>	<b>PTS DOC No.: FPIIC/TD/063 dated 16/09/2025</b>	

PTS Clause No.	Description	Complied	Not Complied	Remarks

**NOTE:** Above format is for reference only. Bidders to refer PTS DOC No.: FPIIC/TD/063 LATEST REVISION (if any) for submitting the compliance for all clauses.

## Bid invitation

### Information

Description: Cab Side Window Glass with Frame Assy

Bid invitation number: 6300039970

### Bid invitation rules

Bid invitation currency: INR

Other permitted currencies: USD, EUR

**Timezone:** UTC+53

**Submission period:** 13.10.2025 17:00:00

**Tech Opening date:** 13.10.2025 17:30:00

**Created On:** 25.09.2025 04:03:17

### Bid invitation text:

Please note that bidder should be having a valid Class-III Digital Signature Certificate issued by authorized Certifying Authority to submit bid in our SRM e-Procurement system. Interested bidders can contact BEML through e-mail: [admin.srm@beml.co.in](mailto:admin.srm@beml.co.in) to obtain the username & password for submitting the quotations. In case of any queries, you may contact BEML SRM Team on phone no: 080-22963269.

Commercial bid document SHOULD NOT BE enclosed with Technical Bid Documents. If uploaded the Quotation submitted by bidder will be liable for rejection without any discretion.

In case of bids involving foreign exchange, Exchange Rate Variation/ TT Buying Rate for evaluation of tender shall be considered at the date of opening of Commercial bid.

### Attachments:

Tender-Docs-6300039970

TENDER-DOCS-6300039970

Digital Signature

### Bid invitation details

Item	Product Price Condition	Description	Vendor product number	Delivery date/ performance period	Quantity
1	8431300601	CAB SIDE WINDOW		00:00:00	5 NO

# Bid invitation

## Information

Description: Cab Side Window Glass with Frame Assy  
 Bid invitation number: 6300039970

Item	Product Price Condition	Description	Vendor product number	Delivery date/ performance period	Quantity
		GLASS & FRAME ASSY LH			

### Item long text:

Cab side window glass & frame assembly LH, conforming to PTS Doc. No. FPIIC/TD/063.

UTGST	%	
IGST -Integrated GST	%	
SGST - State GST	%	
CGST - Central GST	%	
Basic Price	INR	

2	8431300602	CAB SIDE WINDOW GLASS & FRAME ASSY RH	00:00:00	5 NO
---	------------	---	----------	------

### Item long text:

Cab side window glass & frame assembly RH, conforming to PTS Doc. No. FPIIC/TD/063.

Basic Price	INR	
CGST - Central GST	%	
SGST - State GST	%	
IGST -Integrated GST	%	
UTGST	%	

3	8431310701	CAB SIDE WINDOW GLASS LH	00:00:00	2 NO
---	------------	-----------------------------	----------	------

### Item long text:

Cab side window glass LH, conforming to PTS Doc. No. FPIIC/TD/063.

UTGST	%	
IGST -Integrated GST	%	
SGST - State GST	%	
CGST - Central GST	%	
Basic Price	INR	

4	8431310702	CAB SIDE WINDOW GLASS RH	00:00:00	2 NO
---	------------	-----------------------------	----------	------

### Item long text:

Cab side window glass RH, conforming to PTS Doc. No. FPIIC/TD/063.

Basic Price	INR	
-------------	-----	--

# Bid invitation

## Information

Description: Cab Side Window Glass with Frame Assy  
 Bid invitation number: 6300039970

Item	Product	Description	Vendor product number	Delivery date/ performance period	Quantity
	Price Condition				
	CGST - Central GST	%			
	SGST - State GST	%			
	IGST -Integrated GST	%			
	UTGST	%			
5		NON-RECURRING COST			1 AU
<b>Item long text:</b>					
Non Recurring Costs Towards Non-Recurring Activities of PTS requirements such as					
Type test,					
Technical documentation,					
Drawings,					
O&M manual,					
Training &					
Any other activities to meet PTS requirements etc...					
	Basic Price	INR			
	CGST - Central GST	%			
	SGST - State GST	%			
	IGST -Integrated GST	%			
	UTGST	%			



**Reverse Auction shall be conducted if Minimum 2 technically accepted firms received & Reverse auction will be as per BEML norms / procedure and the details are indicated below:**

Request for Quotation

Ref. BR01/HST/6300039970

For Procurement of  
**CAB SIDE WINDOW GLASS WITH FRAME ASSY**  
required for  
High Speed Train Project

**(Further to Bid submitted against Bid  
Invitation No. 6300039970)**

through

**REVERSE AUCTION**

**Confidential Document:** For limited circulation among the participants of Reverse Auction event for the requirement of BEML LIMITED to be conducted on BEML SRM Platform.

<b>A. Buyer (BEML LIMITED)</b>	
<b>Name &amp; Designation</b>	Mr. Ravi Kumar Adepu Senior Manager – Purchase Department
<b>Address</b>	Bangalore Complex, BEML Limited, Suranjandas Road, New Thippasandra (P), Bangalore – 560075. Karnataka
<b>Email ID</b>	ravikumar.adepu@bemltd.in
<b>Telephone</b>	080-25022639
<b>B. Documentation &amp; Training -Helpline (BEML SRM)</b>	
<b>Name &amp; Designation</b>	Mrs. ANITHA K DGM (Corp. Materials & SRM)
<b>Address</b>	BEML Limited “BEML SOUDHA” Room No:2, 23/1, 4 <sup>TH</sup> Main S R Nagar Bangalore – 560 027 Karnataka
<b>Email ID</b>	<a href="mailto:admin.srm@beml.co.in">admin.srm@beml.co.in</a>
<b>Telephone</b>	080-22963269

**Contact Information:**

**Note: Please contact BEML SRM (as per the contact details shown under B) for any questions / clarification that you may need in connection with this Request for Quotation (RFQ) for Reverse Auction and not the “Buyer” directly.**

### Activity Schedule:

Sl.No.	Activity	Activity particulars	Due Date
1	<b>RFQ Release</b>	RFQ release to all the short-listed vendors by BEML by e-mail	----
2	<b>RFQ Receipt Confirmation</b>	Bidders to confirm receipt of Request for Quotation (RFQ) to BEML SRM by a line of mail to <a href="mailto:admin.srm@beml.co.in">admin.srm@beml.co.in</a>	----
3	<b>Pre-Bid Confirmation</b>	Duly filled-up "Exhibit-A" of the RFQ, printed on Bidder's letter-head to be scanned and the scanned document to be sent by e-mail to <a href="mailto:admin.srm@beml.co.in">admin.srm@beml.co.in</a>	----
4	<b>Service Provider's General Terms &amp; Conditions</b>	Duly signed "Exhibit-B" to be scanned and the scanned document to be sent by e-mail to <a href="mailto:admin.srm@beml.co.in">admin.srm@beml.co.in</a>	----
5	<b>Training Invitation</b>	Subject to your Pre Bid Confirmation (Point 3) and receipt of Exhibit-B as mentioned at '4' above, you will receive an Invitation for Online Training with a demo reverse auction event.	----
6	<b>Training Confirmation</b>	On completion of "Training" and once you are comfortable to operate on BEML SRM, email to <a href="mailto:admin.srm@beml.co.in">admin.srm@beml.co.in</a> Training Confirmation as per "Exhibit-C".	----
7	<b>Invitation for Main Event</b>	Subject to receipt of Training Confirmation (Point 6), you will receive an invitation for the Main Event for logging on to SRM Live Auction.	----
8	<b>"Final Bidding" Online Event Day, Start Time &amp; Duration</b>	Start Time : Will be intimated later Duration : 90 Minutes with unlimited Auto Extensions	----
9	<b>Post Bid Confirmation</b>	To be submitted as detailed in "Exhibit-D". Post Bid Confirmations not in line with format "Exhibit-D" are liable for outright rejection	Within one day after the event

## Scope of Work and Terms & Conditions:

<b>Technical Specification and Terms &amp; Conditions</b>	The scope of work and the terms & conditions for supply shall be as given in the Bid Invitation No. <b>6300039970</b> in our SRM e-Procurement System and your bid submitted against the same.
<b>Items in Reverse Auction</b>	There will be one line item in the Reverse Auction with the unit as <b>LS (Lumpsum)</b> for “ <b>CAB SIDE WINDOW GLASS WITH FRAME ASSY</b> ” which will be for all the <b>line items</b> of the tender together for the total quantities.
<b>Price Basis for Reverse Auction Event</b>	For the line item in the Reverse Auction, Price excluding GST is to be quoted during the Reverse Auction.
<b>Post -Bid Confirmation</b>	Bidder shall submit Post-Bid Confirmation in their letterhead duly signed with company seal as prescribed in “Exhibit-D” giving the breakup of their lowest bid for the item to BEML <b>within 24 hours</b> of closing of the event.
<b>Process for issue of PO</b>	<p>After completion of the e-Reverse Auction event, commercial bids submitted by the technically qualified bidders through e-mode against Bid Invitation No. <b>6300039970</b> will be opened.</p> <p>On completion of reverse auction, the commercial bid of technically acceptable vendors would be opened to verify the start bid price of each vendor in the reverse auction is equal or less than the commercial bid quoted by that vendor for the item. Therefore, the start bid price in the Reverse Auction by any vendor should be equal to or less than the price quoted by the vendor in SRM for the item.</p> <p>In case it is noticed that the start bid price is more than the commercial bid, then the vendor will not be considered for further commercial evaluation.</p>
<b>Mandatory Participation in the Reverse Auction</b>	<p>The bidder has to participate in reverse auction and submit at least ONE BID to be treated as having participated in Reverse auction event. Mere logging in to Reverse Auction event will not be considered as having participated in Reverse Auction.</p> <p>In case the bidder is not participating in reverse auction, then the commercial bid of the firm would not be opened in SRM portal.</p>
<b>Currency</b>	For the purpose of Bidding and release of payment, the currency will be Indian Rupees (INR).

## Bidding Procedure:

<b>Understanding of Bidding Rules</b>	<b>Concerned person taking training is advised to have proper understanding of bidding rules. No claim of ignorance shall be entertained at later stage.</b>
<b>Brief on Event Logic</b>	<ul style="list-style-type: none"> <li>- Start Bid Price: For the item, the bidder has to start Reverse Auction with the Bid Price which shall be equal to or lower than the Bid Price quoted in their commercial bid against Tender ref: <b>6300039970</b>.</li> <li>- Bid decrement of <b>Rs. 10,000/- (tentative)</b> will be given for the item. (Decrement for the item is the minimum amount the bid is to be reduced by any bidder compared to their own previous bid for the item).</li> <li>- Bidder can submit multiple bids – each lower to the previous one.</li> <li>- L1 (Best Bid) price will be displayed to all the bidders during the e-Reverse Auction process. Rank will be displayed dynamically to the bidder as '1' or '-' ('1' means lowest, '-' means not the lowest).</li> <li>- Tied rank will not be possible. In case the bids submitted by two bidders are same, the bidder who submitted the bid first will get the lower ranking.</li> <li>- Person designated by bidding company (Bid Operator) will be solely responsible for bids placed by them and no claim of ignorance in this regard shall be admissible, hence "Bid Operator" is advised to take proper training from the BEML-SRM Support team.</li> </ul>
<b>Auto Extension Feature</b>	The auction event will be for duration of 90 minutes. There is a provision of unlimited auto extensions of 5 minutes each in closing phase of auction to provide fair chance of participation to all the Bidders. (Auto extension: In case any bidder submits bid during the last five minutes, the auction time automatically gets extended by 5 minutes duration). This may lead to change in closing time of the reverse auction event
<b>Event URL</b>	<a href="https://bemlepci.bemlindia.in:50001/irj/portal">https://bemlepci.bemlindia.in:50001/irj/portal</a>

**Exhibit-A**

**Pre-Bid Confirmation**

<Valid only if submitted on Supplier's Letterhead>

To

M/s. BEML Limited  
Attention: Mr. ANITHA K, DGM (Corp. Materials & SRM)

Dear Sir,

**Sub: Pre-Bid Confirmation**

**Ref: RFQ No. BR01/HST/6300039970 for CAB SIDE WINDOW GLASS WITH FRAME ASSY**

With reference to the above, we hereby confirm our participation in the Reverse Auction event. We have read and understood the Offer Document (RFQ) of this event, and will place our bid in accordance of the same.

We confirm acceptance to the following terms & conditions mentioned in the NIT document:

**Payment Terms:**

**1) For Supplies** – (a) Supplier will raise GST invoice for 100% value. BEML will pay 80% of Invoice Value with 100% GST in 60 days / 45 days (MSE firms) from the date of receipt of material at BEML subject to material acceptance by BEML and (b) Balance 20% payment in 60 days / 45 days (MSE firms), from the date of successful completion of testing & commissioning activities as per BEML requirement duly certified by BEML R&D /BEML NOMINATED AGENCY/ICF/ICF NOMINATED AGENCY.

**2) Non-Recurring Activities (NRC)-** (a) Firm will raise separate GST Invoice for 50% of the value after completion of NRC activities and after delivery of materials for **1<sup>st</sup> train set**. Payment will be made within 60 days / 45 days (MSE firms) from the date of receipt & acceptance of materials & submission of all the design documents related to NRC duly certified by BEML R&D/BEML Nominated Agency/ICF/ICF Nominated Agency and (b) Firm will raise GST Invoice for balance 50% after successful completion of testing & commissioning of **1<sup>st</sup> Train Set**. Payment will be made within 60 days / 45 days (MSE firms) from the date of Invoice.

**Inspection Term:** By BEML/BEML NOMINATED AGENCY/ICF/ICF NOMINATED AGENCY

The details of person who would be bidding on the day of the Reverse Auction event and would take necessary training for the above process is given below:

- 1) Name :
- 2) Designation :
- 3) Telephone No. :
- 4) Mobile No. :
- 5) Email ID :
- 6) Place of Bidding :

Signature

Company Seal

Signed By

Name:

Date :

BR01/HST/6300039970

Designation:

Place :

**Exhibit-B**

Ref.: RFQ No. BR01/HST/6300039970 for Reverse Auction  
For **CAB SIDE WINDOW GLASS WITH FRAME ASSY**

**Kind Attention: Mrs. ANITHA K, DGM (Corp. Materials & SRM)**

### **BEMLSRM - General Terms & Conditions**

The General terms and conditions provided below govern the conduct of the reverse auction event conducted on BEML-SRM platform.

Written Acceptance of the RFI/RFQ Terms & Conditions and General Terms & conditions given below is a pre-requisite for securing participation in the reverse auction event:

#### **Participant Confirmation:**

- Organizing proper bidding infrastructure i.e. internet connection, power backup, etc. is bidder's responsibility and bidder indemnifies BEML Limited of responsibility on this count.
- Participants to reverse auction event hereby confirm that they shall commit to supply the product / service (being bid for) at the price entered by them in the online bid AND at the terms and conditions specified herein by BEML LIMITED. All Prices entered shall be legally binding on the Bidders. Bidders are strongly advised to exercise due diligence while placing bids. Failure to honor the bids placed during the online Bid shall render the bidders liable for any penal action as deemed fit by BEML LIMITED.
- In the event of winning an allotment in the bidding event, the bidder shall commit to fulfill outlined obligations under the contract.
- The bidder shall bid in line with the pre-accepted RFQ/RFI terms. The Bidder shall not stipulate any conditions on his/her own unless the terms of the BEML LIMITED expressly permit such conditions being stipulated by the Bidder. Bids entered with conditions attached shall be considered Conditional bids and BEML retains the right of rejecting these bids.

#### **Liability of BEML LIMITED**

While, reasonable care and diligence is taken by BEML LIMITED in discharge of its responsibilities such as design of the reverse auction event, communication of RFI/RFQ rules, guidance to bidders in event participation, etc. all bidders shall specifically indemnify BEML LIMITED from all liabilities for any shortcomings on these aspects. It is clearly understood that these activities are performed in BEML SRM platform by BEML LIMITED to assist the participants, but the ultimate responsibility on all these counts lies totally with the participants.

#### **Jurisdiction:**

Any disputes relating to the reverse auction event shall be subject to the sole jurisdiction of the courts of Bangalore, Karnataka, India.

Accepted the above terms & conditions

(Signature)  
Name & Designation of Signatory

For and on behalf of the company  
(Company Seal)

BR01/HST/6300039970

Exhibit-C

**Training Confirmation**  
By Email to admin.srm@beml.co.in

Date:

To

M/s. BEML Limited

Attention: Mrs. ANITHA K, DGM (Corp. Materials & SRM)

Dear Sir,

**Subject:** Training confirmation.

**Ref:** RFQ No. BR01/HST/6300039970 for Reverse Auction  
for CAB SIDE WINDOW GLASS WITH FRAME ASSY

This is to confirm that BEML-SRM support team has trained us on BEML-SRM eProcurement platform about how to participate and bid online for Auction event.

We have attended '**DEMO**' bidding event and are comfortable with the bidding process.

Signature

Company Seal

Name :

Designation :

Mobile No. :

Email ID :



Exhibit-D

Post Bid Confirmation

<Valid only if submitted on Supplier's Letterhead>

**Date:**

To  
M/s. BEML Limited

**Kind Attention: Mrs. ANITHA K, DGM (Corporate Materials & SRM)**

Dear Sir,

Sub: Written confirmation of the final Bid placed by us during Reverse Auction Event held on  
..... for **CAB SIDE WINDOW GLASS WITH FRAME ASSY**

Ref: RFQ No. BR01/HST/**6300039970**

By signing this document, we confirm and are pleased to submit the price break-up of the concluded bid value placed by us for Rs ..... as per the break-up attached to this Exhibit-D, in line with RFQ document accepted by us for **CAB SIDE WINDOW GLASS WITH FRAME ASSY**

We confirm, if allotted, we will honor above price, and it shall be legally binding on us.

Signature:

Designation:

Name:

Company Seal :