



BEML LIMITED
BENGALURU
R & D CENTER

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RS15 Project

Procurement Technical Specification of Bucket Type Stainless Steel Saloon Seat

	Name	Date	Signature
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REVISION HISTORY:

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1. Introduction

1.1. General

This Procurement Technical Specification describes the technical requirements of bucket type stainless steel saloon seat to be supplied for Delhi Metro Rail Corporation Limited (hereafter DMRC) RS15 Project.

BEML will carry out all required works and activities as Contractor for DMRC RS15 project while the supplier shall be responsible for all works required in this PTS with regard to bucket type stainless steel saloon seat and shall be responsible for supporting the BEML activities as contractor for DMRC RS15 Project.

Presently DMRC has 4/6 Car Train set for its broad gauge line running at Delhi. To enhance the passenger carrying capacity, DMRC intends to convert the existing 4/6 Car Train set to 6/8 Car train set by adding intermediate M & T Cars.

The configuration of train formation is as follows.

DT-M-M-DT	- (existing)
DT-M-T-M-M-DT	- (existing)
DT-M-T-M-T-M-M-DT	- (proposed)

DT: Driving Trailer Car, M: Motor Car, T: Trailer

1.2. Climatic & Environmental Conditions

The Metro cars shall operate reliably and safely under the climatic and environmental conditions of Delhi. Accordingly, the stainless steel saloon seat shall be designed to operate with satisfactory performance under the following conditions.

Description	Limiting Values
Maximum ambient temperature(refer note below)	47°C
Minimum temperature	3°C
Humidity	100% saturation during rainy season

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Rainfall	Rain occurs generally from June to September. Average annual rainfall is approximately 650mm. maximum rainfall in any 24hrs period is 50mm.
Atmosphere during hot season	Extremely dusty
Maximum wind load	150 kg/m ²
Vibration & Shocks	The equipment, sub-systems & their mounting arrangements shall be designed to withstand satisfactorily the vibration and shocks encountered in service as specified in IEC 61373
SO ₂ level in atmosphere	80 - 120 mg / m ³
Suspended particulate matter in atmosphere	360 - 540 mg / m ³

Note:

- 1) The temperature of the metal surfaces of the vehicles when exposed directly to the sun, for long periods of time, may be assumed to rise to 70 °C.

2. Definitions

The following definitions and abbreviations are applicable to the PTS.

- “DMRC” means the Employer for the Mass Rapid Transport System (MRTS).
- “DMRC’s Representative” mean such persons appointed by DMRC to act as Engineer for the purpose of the MRTS.
- “BEML” means the Contractor to procure the bucket type stainless steel saloon seat for DMRC RS15 Project.
- “Supplier” means the Supplier of bucket type stainless steel saloon seat to BEML for DMRC RS15 Project.

3. Qualification Criteria

- (i) Supplier shall be an Original Equipment Manufacturer (OEM) of stainless steel saloon seat for Railway Metro Rolling stock having experience in design, manufacturing, testing and commissioning.
- (ii) The supplier shall have manufactured and supplied bucket type stainless steel saloon seat and such supplies should have been in use and have established their satisfactory performance and reliability on Mass Rapid Transit Systems in revenue service over a period of 2 years or more. Satisfactory Revenue service performance certificates for a period of 2 years or more from end users / Metro Operators for the above shall be submitted along with the technical offer.
- (iii) Along with the technical offer, the supplier shall submit the filled vendor approval

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form along with all the required supporting documents for obtaining the vendor approval from DMRC. Selection of Vendor is subject to DMRC approval.

- (iv) The firm should undertake to provide the support during DLP period either by themselves or through sister company or a partner in India. The firm shall submit detailed proposal in this regard along with the technical offer.
- (v) The firm should give an undertaking to supply spares for a minimum period of 10 years from the date of last car supplied by BEML under this contract.

4. Standards

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

5. Design Criteria

The saloon seat shall comply with the following Design criteria:

- 1) The seats shall be designed to ensure they are:
 - i. Comfortable with lumbar support & aesthetically pleasing.
 - ii. Easily cleanable, repairable and changeable and will not be adversely affected by normal cleaning agents.
 - iii. Mountings shall be capable of withstanding the loads arising in service conditions.
 - iv. Sitting surface shall be metal surface, seat shall be made of anti-slip bucket type stainless steel.
 - v. Resistance to passenger movement longitudinally along the vehicle during acceleration and braking.
 - vi. The proposed seats should have been in use in similar metros worldwide.
- 2) Seat modules in similar situations in a vehicle shall be interchangeable. It is preferable that only one style of module be used throughout the train.

6. Technical Requirements

The supplier shall meet the bucket type stainless steel saloon seat requirements as per design criteria at section 5 above, as a minimum

The bucket type stainless steel saloon seat supplied shall comply with the environmental conditions at clause 1.2.

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6.1. Saloon seat construction

- (i) The saloon seat shall be bucket shape and shall be made by roll forming and press forming method. Supplier shall submit the detailed manufacturing process along with the technical offer.
- (ii) The stainless steel sheet raw material shall be SUS 304 L / AISI 304 L, 2B Finish. The stainless steel sheets shall be procured from reputed OEMs like M/s. SAIL & M/s. Jindal.
- (iii) The stainless steel saloon seat shall be subjected to load test as per UIC 566 (Loadings of coach bodies and their components).

6.2. Technical Parameter

Sl. No.	Technical Data	Test Method	Requirement
1	Visual Inspection		There shall be no crack, die marks, wrinkles, pin hole, scratch and other visual defects. Ensure proper welding of stiffeners so that no visible impressions are seen at the front side of the seat pan
2	Dimensional Inspection	-	As per drawing dimensions
3	Load Test	UIC 566	Appendix 7 of UIC 566 for F1, F4 and F'4 loads
4	Material Test	-	Mill / Manufacturer test certificate

6.3. Workmanship and Finish

Stainless steel saloon seat shall be manufactured conforming to the drawing dimensions.

Stainless steel saloon seat shall be manufactured using dedicated press forming and roll forming tool. The supplier shall submit the detailed forming process.

The nut case and stiffeners shall be welded by qualified welders. The weld areas shall be pickled and passivated.

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The supplier shall submit welder qualification certificates as per EN 287-1 and Welding Process Qualification records as per EN/ ISO/ DIN standard..

The saloon seat assembly shall be of uniform quality consistent with good manufacturing and inspection process. The seats shall have no imperfections, free of crack, die marks, wrinkles, pin hole, scratch and other visual defects which would impair the usability of the item after bead blasting

6.4. Service Life

The supplier shall ensure a guaranteed revenue service life of 35 years for the Stainless steel seat.

6.5. Bead Blasting

Before fitting on the carbody, the seat assemblies will be bead blasted for non-directional matt finish and after bead blasting, no weld marks, die impressions or any other visual effects which impair the aesthetics of the seat pan are permitted. Hence, supplier shall take necessary care during the manufacturing process to prevent the occurrence of any such effects.

7. Quality Assurance Program

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


The supplier shall submit Quality Assurance Plan (QAP) based on ISO 9001 / IRIS guidelines.

8. Scope of Supply

The saloon seat shall be supplied as per the drawing dimensions and confirming to this PTS requirement as a minimum. The supplier shall be responsible for the design of the saloon seat and the submission of design information and the execution of test and inspection. Any changes as required by BEML/DMRC shall be adhered to by the supplier without any cost implication.

8.1. Submissions of Documents

The supplier shall submit the following documents as a minimum along with the offer.

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- ✓ Details of dedicated infrastructure facilities available for the production of stainless steel bucket seat.
- ✓ Details of weld jigs and fixtures required for the production of stainless steel bucket seat.
- ✓ Quality Assurance Plan.
- ✓ Stainless steel Welder qualification certificates.
- ✓ Welding Process Qualification. (WPS & PQR).

The Supplier shall submit the following documents conforming to the technical requirements during design phase.

- ✓ Type test procedure document covering all the physical and mechanical properties.
- ✓ FAI Procedure document.
- ✓ Type test & FAI reports.
- ✓ Weighment document with Actual weights of each of the seat assemblies.
- ✓ Material test certificates.
- ✓ Dimensional check sheets for each of the assemblies.

8.2. Packing

The supplier shall ensure proper packing (for each seat assembly) to avoid transit damages and after supply of the saloon seat to the place allocated by BEML.

9. Type Tests & Routine Tests

The saloon seat shall be type and routine tested in accordance with relevant standards and specifications specified at clause-6 of this PTS.

All such tests shall be carried out at the supplier's cost, wherever performed, in the presence of and to the satisfaction of BEML and DMRC, who reserves the right to witness any or all of the tests and to require submission of any or all test specifications and reports.

BEML and DMRC reserve the right to reasonably call for additional tests, if necessary.

The supplier shall carryout the following type tests and routine tests, as a minimum.

Sl. No.	Kind of Test	Test Method	Type Test	Routine Test
1	Visual Inspection	-	O	O

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2	Dimensional Inspection	As per drawing dimensions	O	O
3	Load test	UIC 566	O	-
4	Raw Material Chemical Analysis	-	O	O (For every batch)
5	Raw Material Mechanical Properties	-	O	O (For every batch)
6	Weight	-	O	O
7	Fitment Trials	-	O	-

The type test procedure document shall be prepared by the supplier and BEML/DMRC approval shall be obtained before conducting the tests.

The routine test reports shall be submitted along with every batch of supplies.

9.1. Visual Inspection

Each component of the saloon seat assembly, irrespective of lot size shall be examined visually for surface defects, irregularities and surface finish. The components shall be free of crack, die mark, wrinkle, pin hole, scratch, other visual defects and manufacturing defects that would impair the utility of the item.

9.2. Dimensional Inspection

Dimensional inspection of the assembly / components as per drawing requirements shall be carried out and all parameters shall be recorded and the dimensional check sheet shall be submitted along with the supplies.

9.3. Chemical Composition & Mechanical properties

The chemical composition and mechanical properties of the components shall conform to specifications. The supplier shall carryout the chemical analysis and mechanical tests as per specification requirements and test reports shall be submitted with every batch of supplies.

9.4. Load test

Load test shall be carried out as a type test on each type of saloon seat assembly, to determine the appropriate performance under specified load as per clause 6.1 (iii) & 6.2 (sl. no. 3) of this PTS, prior to the start of the mass-production. The supplier shall submit the type test procedure for BEML/ DMRC approval and shall offer the test for BEML/ DMRC witness.

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Each type of saloon seat assembly shall withstand the loading conditions and conform to the UIC 566 standard. Test report for the same shall be submitted.

9.5. First Article Inspection (FAI)

The supplier shall offer each of the types of saloon seat for First Article Inspection by BEML/ DMRC in accordance with the FAI plan to be approved by BEML/DMRC, prior to serial production in order to confirm that the item produced fully complies with the technical specifications, System design and manufacturing process.

The Supplier shall ensure that the produced saloon seat is compliant to all requirements prior to inviting for testing and FAI. The pre-test result prior to official testing/FAI shall be submitted with the invitation letter to request BEML/ DMRC witness.

At the FAI, the supplier shall make available all pertinent design and manufacturing process documentation, test records, material certifications, etc.

During FAI ,if any inspections or tests indicate that specific hardware or documentation does not meet the specified requirements, the appropriate items shall be repaired, replaced, upgraded, or added by the Supplier at their own cost, as necessary to correct the noted deficiencies. After correction of deficiency, all tests necessary to verify the effectiveness of the corrective action shall be repeated.

If FAI has to be repeated due to non-compliances/ deficiencies noticed, the cost towards the same and the cost towards BEML/DMRC visit to supplier's place for witness of re-FAI shall be to supplier's responsibility.

Upon acceptance of the FAI by BEML/DMRC, the supplier can proceed to manufacture all pertinent hardware. The hardware must meet or exceed the quality standards set at the FAI, and must incorporate any comments made by BEML/DMRC at the FAI.

Supplier shall note that BEML/DMRC FAI clearance will not relieve the supplier's responsibility towards design, development, testing, manufacture and supply during the revenue service.

At any point of time, during the execution of the contract, if BEML/DMRC has any concerns about the quality of the product supplied, BEML/DMRC reserves the right to randomly draw samples from any of the supply lots and the supplier shall carryout the type tests at accredited outside labs and shall submit the reports.

10. Appendices

1. Vendor Approval form.
2. Technical offer Submittals Check List.

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11. Submittals with Technical Offer

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

1. Complete Technical Offer for saloon seat assemblies.
2. Clause wise comments against PTS Document No. GR/TD/5103.
3. Details of infrastructure facilities available for the production of bucket type stainless steel saloon seat.
4. Details of weld jigs and fixtures required for the production of bucket type stainless steel saloon seat.
5. Stainless steel Welder qualification certificates.
6. Welding Process Qualification. (WPS & PQR) records.
7. Supporting documents for Qualification Criteria compliance (Clause 3).
8. Duly filled Vendor approval form along with supporting documents including QAP & ITP for RS15 project, company profile with infrastructure facilities, product range etc., and satisfactory revenue service performance certificate from end user/Metro corporations for the bucket type stainless steel saloon seat.

Date:

Proforma No: RS15/BEML/V.NNO/CAT- __/_____/M/____

CHECKSHEET FOR SUBMISSION OF DOCUMENTS FOR NOTICE OF NO OBJECTION FOR SUB-CONTRACTOR/VENDOR FROM DMRC			
ITEMS:			
Category	A	Items manufactured outside India and proposed to be used in all RS15 trains.	<input type="checkbox"/>
	B	Items manufactured outside India and proposed to be used in all RS15 trains but likely to be localised after some part quantity from OEM (shall be declared by BEML).	<input type="checkbox"/> Equivalent Localisation Quantity : __ Trainsets
	C	Locally manufactured items proposed to be used in all RS15 trains.	<input type="checkbox"/>
1	Proforma for Submission of documents		<input type="checkbox"/> YES <input type="checkbox"/> NO
2	Vendor Details	Annexure-I	<input type="checkbox"/> YES <input type="checkbox"/> NO
3	Sub-Vendor Detail	Annexure-I	<input type="checkbox"/> YES <input type="checkbox"/> NO
4	Certificate from BEML	Annexure-II	<input type="checkbox"/> YES <input type="checkbox"/> NO
5	Copy of technical purchase specification of BEML		<input type="checkbox"/> YES <input type="checkbox"/> NO
6	Inspection and Test Plan		<input type="checkbox"/> YES <input type="checkbox"/> NO
Note:	1	Incomplete documents will not be reviewed by DMRC.	
	2	Items used in DMRC's existing rolling stock do not automatically qualify for use unless specifically approved by DMRC for this project.	
<div style="display: flex; justify-content: space-between;"> (BEML Limited) _____ (Proposed Vendor) </div>			

**PROFORMA FOR SUBMISSION OF DOCUMENTS FOR NOTICE OF NO OBJECTION FOR SUB-CONTRACTOR/VENDOR
FROM DMRC**

1	Item description				
2	Vendor particulars along with proposed manufacturing unit submitted in Annexure-I	<input type="checkbox"/> YES <input type="checkbox"/> NO			
3	Technical Specification & Inspection Plan	—			
3.1	Enclosed copy of Technical Purchase Specification of BEML	<input type="checkbox"/> YES <input type="checkbox"/> NO			
4	Details of experience/ satisfactory performance to establish compliance with ERTS 3.2.2.				
The Information shall be submitted in following format:					
	Mass Rapid Transit System where proposed sub-system/equipment/component has been used	Country	Quantity Used	Period in satisfactory Revenue Service [from/to] (Min 2 yrs in each MRTS)	Manufacturing Unit
	1	2	3	4	5
1	1				
	2				
	3				
2	1				
	2				
	3				
3	1				
	2				
	3				
4	1				
	2				
	3				
4.1	Based on above, is the proposed item compliant with ERTS 3.2.2				<input type="checkbox"/> YES <input type="checkbox"/> NO
4.2	Is the proposed manufacturing unit compliant with ERTS 3.2.2				<input type="checkbox"/> YES <input type="checkbox"/> NO
4.3	Confirmation that the subsystems used in RS15, as proposed herein, shall have NO CHANGE in source, manufacturing unit, components, specification, material etc. from those approved unless got specifically approved from DMRC.				<input type="checkbox"/> CONFIRMED <input type="checkbox"/> NOT CONFIRMED
4.4	Information submitted herein as above is certified as correct, strictly in accordance with the RS13 contract conditions and has been verified by BEML. In case any information is found to be factually incorrect or at variance with contract conditions at any stage, BEML commits to replace the concerned 'sub-system' in complete fleet as per the instructions of engineer, which shall be final and binding. In such case, BEML shall not be eligible either for seeking any claim whatsoever or for seeking extension of contract delivery period.				<input type="checkbox"/> CONFIRMED <input type="checkbox"/> NOT CONFIRMED
4.5	Confirmation that DMRC may depute a team of Engineers (around six) at Sub-contractor/vendor's office for requisite duration with a view to expedite finalization of designs in accordance with contract 'RS15' conditions ERGS 5.11.3.				<input type="checkbox"/> CONFIRMED <input type="checkbox"/> NOT CONFIRMED
5	Notwithstanding the vendor approval communicated by DMRC on the proposal of BEML, responsibility for manufacture, testing, supply, commissioning and quality control shall continue to rest solely with BEML and BEML will be solely responsible for meeting all contractual requirements.				<input type="checkbox"/> CONFIRMED <input type="checkbox"/> NOT CONFIRMED
<div style="display: flex; justify-content: space-between;"> (BEML Limited) _____ (Proposed Vendor) </div>					

Date:

Proforma No: RS15/BEML/V.NNO/CAT- ___ / ___ /P2/ ___

6	Category B - Sourcing from facilities in India after supply of agreed quantity from approved manufacturing unit.	
6.1	In case OEM wants to use manufacturing facilities in India (other than his own) for items for which the OEM has been approved, it shall enter into an agreement with such selected Indian equipment manufacturer and obtain prior approval from DMRC. No change in composition, rating, type, model no., manufacturing process, quality standards, design, etc. and make of the components used in assemblies/sub-assemblies of such equipment as manufactured by the approved parent vendor shall be made without specific prior approval of the Engineer.	
6.2	In case the vendor uses his own facilities for indigenization after part supply of equipment from the approved manufacturing unit, no change in design, component type/make, quality standards, manufacture procedure, sourcing of materials etc. shall be made without specific prior approval of the Engineer.	
6.3	In case OEM wishes to change/make/type specifications, etc. of any sub-components for supplies to be sourced from Indian facility, specific prior approval of the Engineer shall be obtained for changes made, model, specification, etc. Responsibility for obtaining such prior approval shall rest solely with the contractor.	
6.4	In case of local manufacturing of carbody or any other item(s) manufactured by BEML/OEM and used in initial trains, BEML shall be exclusively responsible for all quality assurance and inspection and their implementation and also ensure provision of physical partition as per the ERGS 1.1.7	
7	Category C- Locally Manufactured Items	
7.1	Does the manufacturing unit satisfy ERTS 3.2.2	<input type="checkbox"/> YES <input type="checkbox"/> NO
7.2	If not, basis/justification for proposal to be submitted for DMRC review	<input type="checkbox"/> YES <input type="checkbox"/> NO
8	BEML confirms that in terms of ERTS 3.2.2, they would seek Notice of No Objection for Sub-Contractor/Vendor from DMRC notwithstanding the item(s) being used in DMRC's existing rolling stock.	<input type="checkbox"/> YES <input type="checkbox"/> NO
9	BEML shall submit Certificate as per enclosed Annexure-II confirming:	
9.1	Compliance with Clause 6.6 of ERGS and GCC Clause 5.8 regarding supply of software tools/documents/materials etc.	
9.2	Compliance with Clause 8.12 of ERGS regarding supply of all drawings, specifications, patterns etc. in case the manufacture of these items is discontinued by the proposed vendor.	
10	Commitment from the vendor that in case of any future procurement action by DMRC, he shall quote directly to DMRC.	
12	BEML commits that the vendor shall be complying with all relevant contract clauses.	
<div style="display: flex; justify-content: space-between; align-items: flex-end; padding-top: 20px;"> <div>(BEML Limited)</div> <div>_____ (Proposed Vendor)</div> </div>		

Date:

Proforma No: RS15/BEML/V.NNO/CAT- ___ / ___ /A1/ ___

Annexure-I**SUB-Contractor/VENDOR/SUB-SUPPLIER DETAILS**

1	Vendor/Sub-supplier OEM Name	
2	Details of item proposed to be sourced	
3	Sourcing by:	(a) BEML <input type="checkbox"/> (b) Proposed Main vendor <input type="checkbox"/>
4	Marketing Office/Head Office	
4.1	Complete address (including website)	
4.2	Contact person details in Head Office	
	• Name	
	• Designation	
	• Telephone	
	• Fax	
	• Mobile	
	• Email	
5	Details of proposed compliant plant/manufacturing unit from where item is proposed to be sourced	
5.1	Complete address (including website)	
5.2	Contact person details	
	• Name	
	• Designation	
	• Telephone	
	• Fax	
	• Mobile	
	• Email	
5.3	Supply details of the manufacturing unit for the proposed item or item with similar design.	
5.4	It is confirmed that the proposed manufacturing unit and the vendor are fully compliant with ERTS 3.2.2	
5.5	We commit that in case of any future procurement action by DMRC, the proposed vendor shall quote directly to DMRC without any involvement of BEML.	
5.6	We have carefully gone through all relevant clauses of the RS15 Contract and shall fully abide by the contract conditions and decisions communicated by DMRC during contract execution without exception.	
(BEML Limited) _____ (Proposed Vendor)		

Date:

Proforma No: RS15/BEML/V.NNO/CAT- ____/_____/A2/____

Annexure-II

**Certificate for compliance with Contract conditions regarding
Software requirements.**

This is certified that in the contract between BEML and _____ (proposed vendor) for supply of _____, specific conditions for confirming total compliance with the following contract condition/clauses have been included and agreed to between BEML and _____ (proposed vendor):

(a) Clause 6.6 of ERGS and GCC 5.8

It is certified that we shall provide full access of application software(s) and any other software /hardware tools to DMRC which they may specifically require for the intended purpose specified in this specification. For all commercial software BEML shall provide all available documentation for the application and maintenance of that software.

Complete documentation along with the software to be supplied by BEML and its Vendor(s) shall comprise of Signal flow diagram, flow charts, functional blocks, details of signals, interpretations so as to enable engineer to debug and implement vehicle/train level modifications based on DMRC's experience, operational & maintenance requirements. Full access to the application software to DMRC shall be provided for this purpose.

It shall be possible for DMRC to modify/change various parameters/logics used in the software and implement the changes on trains. Full facilities including any software/hardware tools, simulation/test bench which are essential for this purpose shall be supplied.

It is committed to supply the software/hardware etc. within the scope specified in respective clauses of ERTS relevant for the proposed item/vendor and we would be fully complying with GCC 5.8

(b) Clause 8.12 of ERGS:

It is certified that _____ (proposed vendor) will supply all drawings, specifications, patterns and any other information required by DMRC for arranging such items in case the manufacture of these items is discontinued within 10 years by the proposed vendor.

(BEML Limited)

_____ (Proposed Vendor)

	TECHNICAL OFFER SUBMITTALS CHECK SHEET	Project MRS1
Aggregate	Bucket Type Stainless Steel Saloon seat	PTS DOC No.: GR/TD/5103
BEML Enquiry/ RFQ Reference :		

Sl. No.	DETAILS	SUBMITTED	NOT SUBMITTED
1	Complete Technical Offer for saloon seat assemblies.	<input type="checkbox"/>	<input type="checkbox"/>
2	Clause wise comments against PTS Document No. GR/TD/5103.	<input type="checkbox"/>	<input type="checkbox"/>
3	Details of infrastructure facilities available for the production of bucket type stainless steel saloon seat.	<input type="checkbox"/>	<input type="checkbox"/>
4	Details of weld jigs and fixtures required for the production of bucket type stainless steel saloon seat.	<input type="checkbox"/>	<input type="checkbox"/>
5	Stainless steel Welder qualification certificates	<input type="checkbox"/>	<input type="checkbox"/>
6	Welding Process Qualification. (WPS & PQR) records.	<input type="checkbox"/>	<input type="checkbox"/>
7	Supporting documents for Qualification Criteria compliance (Clause 3).	<input type="checkbox"/>	<input type="checkbox"/>
8	Duly filled Vendor approval form along with supporting documents including QAP & ITP for RS15 project, company profile with infrastructure facilities, product range etc., and satisfactory revenue service performance certificate from end user/Metro corporations for the bucket type stainless steel saloon seat.	<input type="checkbox"/>	<input type="checkbox"/>

Note : Incomplete submissions are liable for Rejection.

Signature of the Bidder with Seal