

BEML Limited
Bangalore complex



Date: 18.12.2019

Bid Invitation: Tender No: 6300030505

This has reference to E-bid No: 6300030505 published for requirement of Windscreen Glasses for 504 cars of DMRC-MRS1 project.

Further to the Pre-bid meeting held on 12.12.2019 & clarifications received, all the bidders are requested to refer ADDENDUM -1 containing Pre-bid clarifications.

- Bidders may please note that all the other terms & conditions of the tender enquiry: E-bid No: 6300030505 remain unaltered.

Thanking you,
Yours Faithfully,

For BEML Limited

D.S.Ganesh

Deputy General Manager - Materials
BEML Limited,
Bangalore Complex,
New Thippasandra Post,
Bangalore – 560 075

BEML's Reply to Firm's Pre-bid Query:

Sl. No.	Description	Bidder query	BEML Reply
1	As per BEML PTS Doc no: GR/TD/4498 Rev (-) dt 14.10.2019, ERGS and ERTS enclosed required for 504 numbers of DMRC-MRS1 metro project.	ERGS and ERTS not enclosed in this tender.	FOR: As per BEML PTS Doc no: GR/TD/4498 Rev (-) dt 14.10.2019, ERGS and ERTS enclosed required for 504 numbers of DMRC-MRS1 metro project. READ AS: As per BEML PTS Doc no: GR/TD/4498 Rev (-) dt 14.10.2019, required for 504 numbers of DMRC-MRS1 metro project.
2	The bidder shall sign each and every page of tender document before submitting the tender.	Please clarify whether all pages of the Tender documents i.e NIT (59 pages), PTS (18 pages), Drawings (2 nos) & RFx (3 pages) needs to be signed.	Yes, bidder shall sign each and every page of tender document before submitting the tender.
3	All the stores supplied shall be warranted against any defect in material, workmanship, design or dimension etc., for a period of 24 months from the date of taking over of the last train (504th car) after its introduction into revenue operation and the supplier shall remedy such defects at his / their own cost or replace free of charge such stores when called upon to do so by BEML and BEML shall state in writing the nature of defects of the stores.	Please advice expected date of last car (504th car). Please also clarify that the warranty for all the 504 cars will be required for 24 months after the delivery of the last car.	As per Appendix- I of NIT in Pg No.57 of 59, the expected date of Depot Testing and commissioning, integrated testing and service trials of last Train sets is August 2023
4	Performance Bank Guarantee	Please advice the validity period of the PBG.	The validity period of PBG should be in line with the warranty period.
5	Bidder to sign and upload "Tax Indemnity Clause given at Appendix K	Appendix K not uploaded	Appendix K is uploaded in BEML SRM e-portal.
6	Liquidated Damages For Late Delivery	we would like the cap to be lowered to 5%	Not acceptable. This clause remains unaltered.
7	The supplier shall enclose the list of commissioning & D.L.P. Spares with item description and quantity along with the technical bid	Spares are not applicable	This clause remains unaltered.
8	The supplier has to submit separate list of D.L.P spares with prices applicable only for the purpose of customs clearance from customs authorities in India & for documentation purpose and not for making any payment.	Spares are not applicable	This clause remains unaltered.
9	RAMS: The bidder shall meet the RAMS (Reliability, Availability, Maintainability and Safety) requirement as per clause 7.6.3 of PTS GR/TD/4260 Rev (2) Dt: 05.08.2019	PTS GR/TD/4260 Rev (2) Dt: 05.08.2019 not uploaded in the tender documents	This clause stands deleted.

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10	Quantities required are 154 nos for 63 trains & 42 nos for 21 Trains.	Quantity proportion mismatch for 63 trains & 21 trains.	The prices are to be submitted for the tendered quantity.
11	PERFORMANCE BANK GUARANTEE	Formatting not clear.	PBG is uploaded in BEML SRM e-portal.
12	Maximum ambient temperature: (See note below): 36°C Adequate margin shall specially be built into the design particularly to take care of the higher ambient temperatures, high humidity, dusty and corrosive conditions, etc. prevailing in Mumbai area.	Please specify the temperature, humidity, dusty & corrosive conditions prevailing in Mumbai area or a value with tolerances.	Pl. refer the table provided at clause no. 1.3 of the PTS.
13	Design Criteria	The windscreen should be constructed from toughened glass' Because of the nature of the complex curve it will be necessary to use chemically toughened glass. We assume that this will be OK	Chemical toughening is acceptable.
14	Design Criteria	The specification calls for UIC 651 EN 15152 and ECE r43. the thickness of the glass to meet the impact requirements of UIC 651 will result in the glazing not meeting the headform requirements of ECE R43 - we presume that the impact requirements of UIC 651 take precedence	Headform test shall comply with Clause 6.2 of PTS.
15	Edge Protection Sealant	Any specific Sealent required.	Any proven sealant meeting the technical requirements shall be used. Compatibility with carbody sealant as per Clause 6.1 (ix) shall be complied with.
16	Technical Parameters	Headform Test - see 15 above	See 15 above
17	Fire Safety EN 45545, Category 4-A (HL 3)	Pervious testing indicates that a windscreen of this composition will meet EN 45545 HL2 Level.	Pl. follow tender conditions.
18	Type Tests & Routine Tests All such tests shall be carried out at the sub-contractor's cost, wherever performed, in the presence of and to the satisfaction of BEML and DMRC	Where & when these tests to be performed ?	Tests for which the sub-contractor has in-house test facilities, shall be carried out at sub-contractor works and other tests shall be carried out at accredited labs.

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19	Type Tests & Routine Tests	We would propose that SI numbers 5-8 Light transmission, Light Stability Secondary Image and Optical distortion are carried out to EN 15152 as the chromaticity and thermal cycling is to be measured to EN 15152 and these tests 5 - 8 also form part of en 15152 and will just be duplicated.	Proposed tests as per EN 15152 is acceptable.
20	FAI	Is it proposed that the FAI takes place in our premises or at BEML works?	FAI shall be carried out at sub-contractor's work place, under BEML/DMRC witness.

End