

**Sub: Reply to bidder queries against Bid No: 630034889 for 'Development and Supply of ATAG CABIN'**

Details of Pre-bid meeting queries received from various bidders through email & Pre-bid Meeting through Video conference with bidders

Details are as below:

SL NO	Header	Clarification sought	BEML reply
1	Pre -Treatment Plant with Cathode Electrostatic Dip (CED) Painting and Painting Booth with Baking Oven Facility. The max. dimensions of parts subject to coating L x W x H is 2400 x 2650 x 1800mm) max weight of part is 1800 kg, resistance of 1000 hrs salt mist.	1) The required Qty as per tender is 02 Nos of Cabins. Since the requirement is low, CED painting is requested to be out sourced for these 02 Nos Cabins.  2) CED Coating may not be required for ballistic grade material & other equivalent methods may be used.	1) If bidder is not having the facility, the CED dip Painting may be outsourced for this requirement only.  2) The CED Dip painting is as per the end customer requirement & it is compulsory
2		Will the spare cabin be subjected to test of Bullets also as per STANAG Level 1 (Bullets & blast)	The spare cabin will be subjected to Blast only
3	Windows glass should be made up of armored glass.	1) What is the thickness of ballistic glasses envisaged. 2) The window glasses std IS 25523 Part 3 is applicable to safety glasses only not applicable to Ballistic glasses 3) In whose scope, the cost of Ballistic raw material (Steel & Glass) will be ?	1) The thickness of the glasses is 35 mm. 2) Corrigendum will be issued mentioning the standard for ballistic glasses. The standard of ballistic glasses is <b>DIN 52290 part 5</b> . 3) The bidder has to procure the Ballistic raw material (Steel & Glass) & the cost is to be borne by bidder.
4	Shell fabrication, furnishing, integration & final assembly	Drawings for Jigs & fixtures is in whose scope ? Design cost of the Jigs & Fixtures is in whose scope ?	Design & development of the Jigs & fixtures is in Supplier's Scope. The cost for the development of the Jigs & fixtures is in Supplier's scope.
5	HVAC system with accessories shall be provided by supplier	1) HVAC system - Will it be a free issue material from BEML. 2) Is the HVAC unit readily available 3) Design & development will take considerable time so can already available HVAC available in Market be used?	Design, development & tooling cost required for HVAC will be in bidder's scope only. BEML will provide any design help if required during the development of the HVAC unit after the PO. BEML shall provide the sources for the HVAC system which is being developed by BEML but the bidder has to do the suitable modifications to suit the ATAG Cabin as per the requirements. BEML shall provide the details of heating & cooling output. The routings & others necessary modifications on HVAC unit has to be done by the bidder.
6	PROJECT DELIVERABLES FROM SUPPLIER: Assy Armored Driver Cab for BEML HMV 8x8 - 02 Nos (One for fitting vehicle & one is spare for testing)	Does both cabins need to be made of armoured materials ?	Both cabins are armoured cabins, is of same structure & made from same armour materials . For Spare cabin which will be subjected to testing all accessories will be required as regular cabin except external lightings & HVAC. The spare cabin should be furnished with all accessories such as driver, co-driver seats, various types of gauges etc except for HVAC & external lightings. After the blast test is carried out the deformities on these will be evaluated by BEML & Customer reps
7	The delivery of two cabins should complete within Four months from the date of release of PO	The delivery schedule is very tight & if 4 months schedule is including the blast testing	The two cabins should be completed within 4 months from the date of release of PO & is including the testing procedure for 1 No cabin
8	One spare vehicle cabin (with seats, accessories etc) with mounting fixtures will be tested for blast pressure at TBRL, Chandigarh/ PXE, Balasore or any other suitable agency	Testing charges	All cost incurred for blast testing of spare cabin is in bidder's scope. One spare vehicle cabin (with Glasses, accessories etc) with mounting fixtures to be supplied for testing purpose. The cabin will be tested for blast pressure at TBRL, Chandigarh/ PXE, Balasore or any other suitable agency (mutually discussed). BEML will help Vendor to obtain the slot for testing. Blast Pressure Testing will be witnessed by BEML & Customer Reps. Testing, Transportation consumables charges, payment for the testing agency etc should be borne by Vendor. Test report should be submitted.
9		Can the various processes listed in tender may be outsourced to our registered vendors or needs to have captive facilities	Fabrication & furnishing to be planned in-house. Heat treatment & painting may be outsourced
10		In whose scope cost of locks, internal and external lights will fall	Door locks are in supplier scope. Lights will be free issue materials. Installation & mounting will be in bidder's scope