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Mahanideshalaya Assam Rifles
Directorate General Assam Rifles
(EME Branch)
Shillong – 793 010



IV.15011/EME/MRT/2026/250 dt 16 Oct 2026

Technical Director, NIC
North Block,
New Delhi

**REGARDING HOSTING OF “ EXPRESSION OF INTEREST (EOI)” FOR DRAFT
QRs/TDs OF MOBILE REPAIR TEAM (MRT) VEHICLE FOR ASSAM RIFLES**

1. Please refer to the MHA letter No IV.24011/12/2012-Prov-1 dt 22/10/2014 regarding hosting of draft QRs (Qualitative Requirements)/ Specification and Trial Directives (TDs) on MHA website for **15 days**.
2. Assam Rifles is in the process of formulating the QR (Qualitative Requirements) specifications for the Mobile Repair Team (MRT) vehicle for Assam Rifles.
3. Hence, the “ **Expression Of Interest (EOI)**” alongwith the draft QRs/ Specification of the MRT vehicle is attached herewith for hosting the same on the MHA website for 15 days i.e upto 31 Oct 2026.
4. In this connection, it is also requested that after needful the same may please be intimated on e-mail brancheme10@gmail.com.

(F D Singha)
Lt Col
SO-1(EME)
for DG Assam Rifles

Encl : EOI along with draft QRs/ Specifications

Copy to :

Ministry of Home Affairs
Police Modernisation Division - For information please
Prov-III Desk, 26 Mansingh Road
Jaisalmer House, New Delhi-11
E-mail : anuj-kumar38@nic.in

SO (IT), North Block - For information and necessary action please.

E-mail – soit@nic.in

EXPRESSION OF INTEREST

1. Assam Rifles is in the process of formulating the QR (Qualitative Requirements) specifications for the **Mobile Repair Team (MRT) vehicle** for Assam Rifles. The draft QRs/ Specification of these items are attached herewith.
2. The interested firms/parties dealing in subject matter are invited to submit their view/ opinion on the draft revised QRs/ Specification of the MRT vehicle by **31 Oct 2026**.

Contact Person



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DRAFT QUALITATIVE REQUIREMENTS(QRs) / TRIAL DIRECTIVES(TDs) OF MOBILE REPAIR TEAM(MRT) VEHICLE			
MRT Vehicle- Prime mover :-			
S.NO	PARAMETER	SPECIFICATION	TDs
Dimension			
1	Overall Length	5300-6000 mm.	As per OEM's certification & should be checked by detailed a board of Offrs physically.
2	Height	2800-3000 mm.	
3	Width	2000-2500 mm.	
Engine			
4	Emission Norms	BS VI Ph-II Turbucharged Inter cooled Diesel (TCIC).	The vehicle, Engine & components performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
5	Engine type	4 Cylinder Turbucharged Inter cooled Diesel (TCIC).	
6	Engine Displacement	2700-3000CC.	
7	Engine Power	Minimum 98 HP @ 2800 RPM with over heat protection	
8	Torque	Minimum 300 NM @ 1000 to 2200 RPM.	
Fuel, Steering & Transmission			
9	Fuel Injection	Common Rail Direct Injection (CRDI).	The vehicle, Engine & components performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
10	Fuel Tank	Minimum 60 Ltrs.	
11	Steering	Hydraulic Power Steering.	
12	Transmission	5-Speed or Higher manual Gear box and 4x4 drive with high & Low Range Transfer Case.	
Suspension			
13	Front	Live & Semi-Elliptical Road spring with Hydraulic double acting Shock Obserbers.	The performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
14	Rear	Fully floating & Semi-Elliptical Road spring with Hydraulic double acting Shock Obserbers.	

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Mobility & Stability Parameters			
15	Ground Clearance	225 mm or more	As per OEM's certification and should be checked by a board of Offrs physically
16	Wheel Base	3200-3500 mm.	
17	Gradiability	Minimum 30%	
18	Side slope	Minimum 25%	
19	Turning radius	6.25 to 7.50 (kerb to kerb)	
20	Turning circle diameter	12.5 to 15 metres	
21	Water Wadding Capability	Minimum 500 mm.	
22	Mobility	Vehicle shall maintain full mobility in plans, hilly terrain, rough roads and cross-country conditions at full pay load.	
23	Stability	Vehicle shall remain stable and safe under fully laden condition.	
Speed of Vehicle			
24	Normal road	Maximum Speed - 80 Km/hr	The performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
25	Cross-country road	Maximum Road Speed - 60 Km/hr	
Weight (Kgs)			
26	Kerb Weight	2800-3500 Kg.	The performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
27	Pay load	2200 - 2500 Kg (2.2 to 2.5 Ton)	
28	Gross Weight	4900-5500 Kg.	
Seating Capacity			
29	Driver's Cabin	Minimum 2 - 3 pers	As per OEM's certification and should be checked by a board of Offrs physically
30	Rear body	Minimum 2 - 3 pers	

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Service & Warranty			
31	OEM Service Centre	OEM/ Authorised Service centres available in North East Region.	As per OEM's certification.
32	Warranty	Minimum 02 Years with further extended warranty for next 03 Yrs. Rates for such warranty should be quoted in offer as part of cost.	
33	Compliance	Vehicle shall comply with CMVR and all applicable statutory regulations.	The vehicle, Engine & components performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
34	Inspection/ Certifications	The user shall carry out insp in the following stages :- 34.1. The successful firm/bidder to whom tender has been awarded shall submit the drawing of veh as per QRs for approval to a BOO. 34.2. The detailed BOOs will check the drawing as per QR and submit recommendations for approval of drawing by indenter. BOO will finalised the the drawing of MRT vehicle in consultation with the successful bidder. 34.3. Inspection of Chassis : Firm has to provide tech specifications of Chassis to BOO. 34.4. BIW Inspection : On completion of structural febrication of first vehicle, BIW inspection will be carried out by BOOs at firm's location.	The drawing will be finalised by a board of Offrs in consultation with bidder/ vendor before start of febrication. A board of Offrs will check all relevant documents / certificate in r/o vehicle chassis. The firm will provide all relevant documents viz, invoice, certificate Tech specifications of material/ eqpt/ manufacturing methods used in MRT vehicle.

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SPECIFICATION OF HALF LOAD BODY WITH SUPER STRUCTURE

1	Floor of the Body	3 mm thick Mild Steel chequered plate or equivalent high-strength material.	1.1. Should be checked by carrying out visual insp by a board of Offrs and should meet the parameters. 1.2. The vehicle, Engine & components performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
2	Side runner Structural Member	3.15 mm - 3.50 mm thick mild steel formed section.	
3	Side Panelling	2 mm - 2.5 mm thick Mild Steel Sheet.	
4	Grille windows	Weldmesh grille covered with canvas curtains and circular rifle point openings / holes.	
5	Driver's cabin	Original factory built driver's cabin with standard fitments.	
6	Long & Cross Runner	4mm thick Mild Steel Formed Section.	
7	Super structure	Height of superstructure is 1600 mm from the load body floor.	
8	Seating	Ergonomically designed foldable seats with adequate cushioning for personnel.	
9	Jerrican Bracket	One bracket for 20 litres spare jerrican to be fitted with nuts and bolts towards front and the floor (behind driver's cabin) at one end of the two seats.	

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10	Front Wall & Rear Wall thickness	2mm Mild Steel corrugated sheet with stiffeners of Mild Steel (2mm thick) formed sections. Front & rear panels are 600 mm high.	
11	Rear Door	Rear split into two doors with locks inside and outside.	
12	Grab rail	On the ceiling two tubular grab rails	
13	Painting	Paint as per user's approval.	
14	Standard vehicle fitments with safety, utility, exterior and elect fitment.	14.1. Electrical fitments, accessories like tail Lamp, Stop light, Blinkers, Head light will be of original supplied item along with chassis No. Incandescent light should be provided in the center of the troop body. 14.2. First Aid box , 1 Kg Fire Extinguisher - ISI marked. 14.3. Rear Towing Hook with Spring Draw Bar. 14.4. Front Towing Hooks (2 Nos "D" Shackles) 14.5. Regd Number plate & Unit Sign Plate. 14.6. Metallic Guards for Head Lamp's Inspection Lamp. 14.7. Dash Camera - 02 (Front & Rear), Recording mode 1080FHD 1920x1080, 30 frame/sec, 720P 1280x720, 30 frame/sec, USB type C connection port, display size- 2", Memory Card of 64 GB.	1.1. Should be checked by carrying out visual insp by a board of Offrs and should meet the parameters. 1.2. The vehicle, Engine & components performance parameters should be complied with Automotive Research Industry Standards (AIS) certified by Automotive Research Association of India (ARAI).
15	Logistic Support	Logistic support package shall be provided incl Wksp repair manual , illustrated parts catalogue and operational and maint manual.	
16	Fd Trial	Procurement of Special veh would be carried out subject to successful Fd Trial of Technically qualified vehicle in the area of deployment of Assam Rifles. Vehicle should be readily available for Trial by the bidder.	

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**QUALITATIVE REQUIREMENTS(QRs)/ TRIAL DIRECTIVES(TDs) OF
MOBILE REPAIR TEAM(MRT) VEHICLE**

MRT Vehicle- Service Tools & Accessories Compartment :-

S.NO	PARAMETER	SPECIFICATION	TDs
1	Structure Development on Prime mover as per design	Includes floor covered with aluminum chequered sheet. Body frame of steel tube mounted with MS sheet, rear door & side opening with lock, spare parts rack on front side, LH wall & storage space on canopy (Ari cutter) accessible from inside.	1.1.As per firms/ Supplier's certification & visual inspection by a board of Offrs should meet the parameters. 1.2.The Tools & Accessories standardization should be complied with the Indian Regulatory Standards including ISO/IEC or International Standards including ISO/IEC/ANSI/ NFPA/CE/EN.
2	General work bench (Complete M.S)	A general general work table for heavy duty work, folding type ,Retractable below platform.size-4 Feet x 3 Feet	
3	Mechanics tools trolley with sliding drawers.	Spacious drawers for keeping tools, single key locable.	
4	General tool set	As per Annexure-I	
5	Electrician Tool kit 108 pcs	Contains: 100-110 pcs tools	
6	Hydero Meter	Checking battery electrolyte condition for 12-24 V Bty	
7	Waste Oil collection pan	Collection of waste oil during service (Cap 15-20 Ltrs	
8	Waste oil tank	Capacity aprox -150 Ltr	
9	Oil Tank with level Gauge for three types of oil	Eng oil tank, Gear oil and Axle oil -20 Ltr Each	
10	Pneumatic oil pump with hose and accessories incl Digital oil flow gun with non dripp nozzle	Suitable for dispensing oil from tanks. Working pressure 60 to 150 PSI (4 to 10 Bar), Air inlet connection 1/4 " NPT (F), Pump outlet connection, 1/2 " NPT (F), Pump inlet for connecting suction tube 1" NPT (F) & 1" UNEF (F), Noise level 85 dB, for use with drum, tanks, Wall mount etc.	
11	Retractable Hose reel for oil	10 Mtr	
12	Plastic lever pump	Suitable for DEF	
13	50 Ltr Plastic Barrel	For DEF capacity 50 Ltr	
14	Grease Pump	5 Kg pneumatic, Single operation with multipoint discharge . 70 bar pressure,	

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15	Service creeper	For under body repairs.	1.1.As per firms/ Supplier's certification & visual inspection by a board of Offrs should meet the parameters.
16	Hyd Jack 4	4 Ton	
17	Bottle hack hyd	20 Ton	
18	Tripod stand 6 Ton set of Two	6 Ton	1.2.The Tools & Accessories standardization should be complied with the Indian Regulatory Standards including ISO/IEC or International Standards including ISO/IEC/ANSI/ NFPA/CE/EN.
19	Gen Set 5 KVA	Air cooled petrol driven	
20	Air compressor 2 HP portable with 501 Ltr Reservoir AC driven	Air cooled industrial air compressor used for operating Pnuematic tools, Tyre inflation and air cleaning.	
21	Washing Pump with nozzle and hose pipe	120 Bar Pressure	
22	Complete electric fitting and LED lights	For insight Illumination and complete electric fittings and switches. (Qty-8)	
23	Electric panel	Ac current distribution	
24	Pneumatic Nut runner with all accessories	Nut runner 1/2", arir gun-1 no. each with all accessories.	
25	Pneumatic line with accessories	Aluminum High pressure pipe line	
26	Tyre pressure gauge	portable digital	
27	Hand grinder electric	5' AC driven	

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28	Fire Extinguisher	2 Ltrs (for sefty)	1.1.As per firms/ Supplier's certification & visual inspection by a board of Offrs should meet the parameters.
29	Job card holder/leaflet dispenser	To keep Job Card & leaflet	
30	Jib crane/mono rail (2 Ton)	Sliding roof mounted	1.2.The Tools & Accessories standardization should be complied with the Indian Regulatory Standards including ISO/IEC or International Standards including ISO/IEC/ANSI/ NFPA/CE/EN.
31	Chain pulley block	2 Ton	
32	Wheel Chocks	plastic/iron	
33	Metal tray	2'x2.5'	
34	Plastic jar	1 & 5 Ltrs	
35	Spl tool cabinet board	At door with panel door & hook	
36	Bench vice	4" Jaw	
37	Heavy Duty Quick battery charger with jump start	12v & 24 volt	
38	Fridge 50 ltr	50 ltr	
39	Induction cooktop	Induction cook top min 1600W for crew cooking	
40	Foldable shelter	Foldable shelter with curtains for external workstation	
41	AC gas recharging machine	Technical specification Recovery speed 180 g/min Vaccum speed 60 ltr/min Recharging speed 18 g/s Scale Accuracy +/-10 g Water tank capacity 10 kg Dry filter capability 60 kg R134a Vaccum pump 2 stage Compressor 1.5 HP	
42	Electronic AC gas leak Detector	Leak detector 'inspector' incl. UV light + injector	
43	4 Way ball valve manifold for automotive A/C	manifold 4 way valve 1.6-80mm, bar, bar/psi/degree C,with 3-180cm hose 1/4" SAE.+1-180 cm black 1/4" hose with Mannual quick coupler.	
44	Hyd pressure gauge	1000 to 2000 PSI	
45	Torque Wrench 14-56 Mkg	140-560Nm	
46	Folding tent	10'x20' 93 Mtr x 6 Mtr	

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47	Folding table with umbrella	Compact seating arrangement for 4 Pers size- 6 feet x 5 feet	1.1.As per firms/ Supplier's certification & visual inspection by a board of Offrs should meet the parameters.
48	AC power distribution panel	AC power distribution panel 5VA with 5A (04 pts), 15A (02 pts) and 32A	1.2.The Tools & Accessories standardization should be complied with the Indian Regulatory Standards including ISO/IEC or International Standards including ISO/IEC/ANSI/ NFPA/CE/EN.
49	Elephant legs support for crane	To support min 4 Ton ops	
50	Diesel Injector Tester	Diesel injector tester 600psi	
51	HVAC system	HVAC system for driver cabin and superstructure	
52	Power tool cordless	Power tool cordless ½" (400 Nm torque minimum)	
53	Hose clamping machine	Hose clamping machine hydraulic	
54	Electrical test bench	Electrical test bench for Self-starter/ alternator and rectifiers	
55	Induction cooktop	Induction cook top 1600W	
56	Self recovery winch	4 Ton / 10,000lbs, with synthetic rope, rope length 20-30m 12V with 02 x 5Ton pulley's , IP67 weather proof rating	
57	LED inspection lamp	02 LED insp lamps 12V with 10m power cord	
58	Out side branding	Digital print vinyal as per CIP (Corporate indentify program)	

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