

TECHNICAL SPECIFICATIONS**”Vehicle with 4x2 all-wheel drive”****CONTENT**

	pag.
1. GENERAL REQUIREMENTS.....	1
1.1 NORMS AND STANDARDS.....	1
1.2 GENERAL DESCRIPTION.....	1-2
1.3 BODY TYPE.....	2
2. PERFORMANCE.....	2
2.1 ENGINE.....	2
2.2 BRAKING SYSTEM.....	2
2.3 ROLLING PART.....	3
2.4 EXTERNAL APPEARANCE.....	3
2.5 CABIN.....	3
3. RECEPTION.....	4

1. GENERAL REQUIREMENTS

The vehicle shall be off-road type, with 4x2 all-wheel drive, robust, built on a high-quality steel ladder frame, capable of transporting both passengers and the necessary equipment for instrumental disaster risk identification, while ensuring full control during travel on rough terrain.

1.1 Norms and standards :

1.1.1 Before the first delivery, the fully equipped car prototype will go through a program of checks drawn up by the specialists of the General Inspectorate for Emergency Situations and those of the supplier, in order to determine whether the transport unit (including equipment) falls within the performance technical -tactics of the present technical specification .

1.1.1 The delivered vehicle will comply with the provisions of the Decision of the Government of the Republic of Moldova No. 357 of 13.05.2009 regarding the approval of the Road Traffic Regulation with subsequent amendments and additions.

1.1.2 The delivered vehicle will comply with the requirements of this Specification.

1.1.3 We mention the fact that the car will circulate both on the territory of the Republic of Moldova and in the countries of the European Union and , respectively, must ensure the minimum traffic requirements on public roads in these regions, possibly complying with the provisions of Directive 2007/46/CE which establishes safety requirements and environmental requirements that vehicles must comply with before being introduced on the EU market .

1.2 General description:

1.2.1 Year of production: 2024-2025

1.2.2 Maximum authorized total weight: 2000 kg;

1.2.3 Vehicle weight: 1500 kg;

1.2.4 Chair capacity : 4+1

1.2.5 Doors: 5

1.2.6 OFF-road type: 4x2

1.2.7 Length: maximum 4600 mm

1.2.8 Height : maximum 1700 mm

1.2.9 Width: maximum 1950 mm

- 1.2.10 Payload capacity: minimum 500 kg
- 1.2.11 Trunk volume with spare wheel –minimum 400 liters
- 1.2.12 Exploration warranty: 60 months / 150000 km;
- 1.2.13 Body anti-corrosion warranty- minimum 3 years;
- 1.2.14 Passive safety system, minimum:
 - a) three point seat belts – 4+1
 - b) airbags, minimum 4
 - c) head restraints.
- 1.2.15 Dashboard- metric, digital;
- 1.2.16 Signaling installations, minimum:
 - a) driver's seat belt not fastened
 - b) reverse gear
 - c) exterior lights left on
 - d) tire pressure
- 1.2.17 Will be delivered by car:
 - a) wheel wrench
 - b) car jack
 - c) warning light (reflective triangle)
 - d) reflective vest
 - e) first aid kit
- 1.2.18 Central locking with key remote control
- 1.2.19 User manual, preferably in Romanian

1.3 Body type: SUV (*Sport Utility Vehicle*)

2. PERFORMANCE

2.1 Engine

- 2.1.1 Fuel type: gasoline, diesel
- 2.1.2 Euro 4 or more environment friendly
- 2.1.3 Rollers: 4 in a row
- 2.1.4 Valves: minimum 2 per cylinder
- 2.1.5 Engine power: minimum 107 HP
- 2.1.6 Engine displacement: 1300 cm³ – 1800 cm³;
- 2.1.7 Fuel consumption control: maximum 8.0 l/100 km
- 2.1.8 Fuel tank capacity – minimum 700 km

2.2 Braking system:

- 2.2.1 The braking system is one of the “disc” type for the front axle and of the “disc/drum” type for the rear axle;
- 2.2.2 There shall be anti-lock braking system (ABS or equivalent);
- 2.2.3 Electronic brake force distribution system of EBD type or similar;
- 2.2.4 Emergency braking assistance system, such as EBA(Emergency Brake Assist) or similar to reduce the risk of collision;
- 2.2.5 Servo assisted.

2.3 Rolling part :

- 2.3.1 There shall be hill-start HSA assist system or similar;
- 2.3.2 Traction control system ASR system or similar;
- 2.3.3 Electronic vehicle system of ESP type or similar;
- 2.3.4 Gearbox: manual, automatic, semi-automatic;
- 2.3.5 Cruise Control;
- 2.3.6 Wheels: steel rims size R16-R18, alloy rims are also accepted;
- 2.3.7 The vehicle will be equipped with summer tires, including a spare wheel;
- 2.3.8 A set of winter tires (4 pieces);
- 2.3.9 Tire size comparable to size R16-R18;
- 2.3.10 Power assisted steering system;
- 2.3.11 Ground clearance: minimum 200mm with the vehicle loaded;
- 2.3.12 Wheelbase: minimum 2600mm;
- 2.3.13 Front and rear coil springs.

2.4 External appearance:

- 2.4.1 Color: white, gray, silver
- 2.4.2 The vehicle shall have a lighting and light signaling system including: fog lights, side marker lights, additional side turn signals, reflectors;
- 2.4.3 Headlights with LED lightning elements;
- 2.4.4 Fog lights;
- 2.4.5 Electrically adjustable and heated exterior mirrors;
- 2.4.6 Front and rear mudguards;
- 2.4.7 Front and rear bumpers- car color;
- 2.4.8 Longitudinal flag bars;
- 2.4.8 Body-colored door handles;
- 2.4.9 Parking sensors, at least rear.

2.5 Cabin

- 2.5.1 Thermal and sound insulation;
- 2.5.2 Air condition system;
- 2.5.3 Two interior sun visors mounted above the windshield;
- 2.5.4 Interior rearview mirror;
- 2.5.5 Radio with USB (or/and CD) and Bluetooth connection, with at least 4 audio speakers with the possibility to operate them from the steering wheel area;
- 2.5.6 Height and reach adjustable steering wheel;
- 2.5.7 Soft, comfortable front seats, upholstered with textile materials manually adjustable in at least 2 settings, at least the driver's seat (front-back and height), and 3-point seat belts, with pockets behind them for placing things;
- 2.5.8 The rear seat(s) should be soft, comfortable upholstered with textile materials equipped with 3-point seat belts, with the possibility of folding to increase the luggage compartment space;
- 2.5.9 Center console with cup holder;
- 2.5.10 Armrest, at least for the driver;
- 2.5.11 Carpet floor specific to cars;
- 2.5.12 Ceiling-mounted comfort control with lighting functions;
- 2.5.13 12V sockets, at least 2, one on the center console, one for the rear passengers;
- 2.5.14 Interior lamp in the ceiling;
- 2.5.15 Front and rear windows electrically operated, including from a single panel mounted in an area accessible to the driver;
- 2.5.16 Rear window with heating option;
- 2.5.16 1 car fire extinguisher must be provided, with a pressure gauge with a mounting location.

3. RECEPTION

The vehicle will be delivered in 20 days from signing contract date, of the Directorate of Exceptional Situations in Hincesti municipality, located at 101 A 31 August 1989 street, Hincesti municipality.

After the delivery of the vehicle and its equipment, they will be tested. The test distance 1000 km. With the completion of the testing period, an Acceptance Form will be signed, according to the legislation of the Republic of Moldova in force. Once the Acceptance Form is issued, the warranty period will begin , during which the defects will be reported, and the defective equipment (parts/equipment) will be replaced without any charges.

According to the 246 Government Decision from 08.04.2010 on the application of tax and customs facilities related to the implementation of ongoing technical and investment assistance projects which fall under the jurisdiction of international treaties to which Republic of Moldova takes part , Appendix nr. 1, 293⁶⁹⁹ ID AMP 87211686695, procurement procedures within "ROMD00184 FAST- Forest firefighting with aerial support" Project fall under the application of tax and customs facilities related to the implementation of ongoing technical assistance/investments projects.

ELABORATED:

Head of the DSE of the Hincesti municipality
of the GIES of the Ministry of Internal Affairs
captain of the internal/s

Octavian BUCŞA

COORDINATED:

Head of the Asset Management and Infrastructure
Development Section of the Logistics Department
of the GIES of the Ministry of Internal Affairs
colonel of the internal/s

Cornel EŞANU