

Annexure-'A'Specification No.: - VFJ/ODC/SP/RUN FLAT /MPV6x6 /05 Dt. 03.11.17**I SCOPE:**

This specification pertains to supply of wheels Assembly with Run Flat system for Mine Protected Vehicle 6x6. This vehicle will have 6x6 wheel configuration with total weight of 22 tonnes. Wheel Assembly consists of wheel Rim, Tubeless Tyre, Run Flat System & Metallic valve Body. The approximate load on each wheel Assy. will be minimum 4000 kg.

**II TECHNICAL DESCRIPTION FOR UNITS OF WHEEL ASSEMBLY WITH RUN FLAT SYSTEM:****1) Wheel Rim:**

Wheel Rim of size  $254 \pm 3.6$  mm x  $508 \pm 0.4$  mm used on Hub & Axle Assy. having Bore Dia  $281 + 0.2 / - 0.0$  mm. No. of Stud Holes 10 with M26 x 10 studs, PCD 335 mm, NOML. INSET  $125 (+0.0/-2.5)$  mm. Make M/s Wheels India/ M/s Kalyani Maxion or any reputed make to suit tubeless tyre to be supplied with the above configuration to fit on MPV 6x6 vehicle. Wheel rim to withstand the load of 4000 kg Minimum (Refer M/s AL Supplied Drawing No. B3306701#2).

**2) Tubeless Tyre:**

Tubeless Tyre of size 164/160G 14 R 20 to the above wheel rim and the make of tubeless tyre could be Michelin/Good Year/Bridgestone or equivalent standard make which will meet test procedure as per the specification. Tyre should be able to run on "off road" and highways.

**3) Run Flat System:**

Run Flat System to withstand the load of 4000 kg minimum to suit Wheel Rim as above (Hutchinson /Equivalent standard make which will meet test procedure as per the specification).

**4) Metallic Valve Body:**

Standard Metallic Valve Body to suit on the wheel Rim with Run Flat System Fitted for filling of air for tubeless Tyre.

**III INSPECTION:**

Sr.GM/VFJ or his authorized representatives.

**IV TESTING PROCEDURE:**

The three wheel assemblies with Run Flats supplied as samples by the firm are to be fitted on one side of MPV 6x6. Two bullets to be fired from 7.62 mm AP shot on the side wall of each Tyre from a distance of 10 meter at angle approximately ninety degrees to the wheel. After the tyre is completely deflated then the vehicle should Run at a minimum speed of 50 kmph for a distance of first 10 km and at a speed of above 40 kmph for distance next 30 km

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minimum on black top road. If any one sample or all the samples fitted does not meet this requirement the sample will be considered not acceptable. Re-test will be done on fresh three numbers of samples supplied by the firm.

**ACCEPTANCE CRITERIA:**

- 1) The Run Flat fitted on the wheel Rim should be intact after the trial is completed. In case, the tyre is not damaged and the run flat system can not be seen then the correctness of the system should be ensured after removal of the tyre.
- 2) The sample shall be considered acceptable, if vehicle completes 40 km. Run satisfactorily as above without losing control of the vehicle and run flat system getting dislocated from the Rim. If any one sample fitted does not meet this requirement the sample shall be considered not acceptable.
- 3) Minimum one set consisting of three Run Flat System Assemblies out of every 100 nos. or part thereof for each consignment against supply order shall be subjected to testing as above. Supplier has to provide free replacement of the quantity so consumed in the trials/testing. In case the Run Flat System Assemblies fails in the trials/testing, the whole lot will be rejected.

**V WARRANTY:**

The Supplier should give a warrantee for the complete Assy. including all four items of Rim, Tubeless Tyre, Run Flat System and Metallic valve body for 30,000 km or three years whichever is earlier.

Manufacturer's test certificate for running performance should be provided by the supplier.

**Note:**

1. Supplier has to submit the details of technical specification/leaflet/manual of their product along with quotation.
2. Supplier has to get the pilot sample approved by ODC-VFJ before the bulk supply is made. Sample size of three numbers should be provided by the supplier free of cost up to 100 numbers supply.
3. Firm Rep. can be involved during trial of sample, if so they desire.
4. Tender sample once submitted will be retained by ODC-VFJ whether accepted or rejected.
5. It is mandatory for the supplier to ensure that Make, Model Number, Batch Number, Month and Year of manufacture is embossed on the side wall of Run Flat.
6. The present requirement is only for 19 nos (16+3 Free samples).

  
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Director/ODC