MAJOR DIFFERENCES BETWEEN HYDRAULIC TRAILER VS MECHANICAL TRAILER

Modular Hydraulic trailer	Semi trailer
Hydraulic suspension compensates uneven surface & inclinations and hence the platform remains level	Platform of mechhanical trailer is not stable when moving on uneven surface because of its mechanical suspension level is very limited
Maximum carrying capacity is virtually unlimited as designed carrying capacity is more with high bending moment	Designed carrying capacity is less to carry heavy and ODC consignement
Meeting the carrying capacity permitted in India as per MVI. I.e., 18 ton per axle line (GVW)	Maximum permissible capacity is 55 ton GVW.
Depending upon the dimensions and weight, trailer combination can be made as long as the road permits	Mechanical trailer has restriction to carry heavy and odc cargo due to its limited loading area
Can be operated in both direction	Can be operated from one direction
As the platform can be raised and lowered, unloading and loading of cargo made easy without using crane	Crane is required to load and unload the cargo
Maximum turning radius as the steering of axles 55 degree. Also power pack can be operated to steer the axles	Turning radius is restricted according to the length and width of trailer attached.
Equal load distribution ensure safety while crossing bridges	The load distribution is 60% on trailer and 40% on prime mover
Hydraulic trailers can be used to combine with special attachments suitable for transportation	Mechanical trailer does not have arrangement to couple special attachments. But however, it can be modified to suit to carry few ODC such as cabin cut, bogie, mechanical turn table
Tyres can be replaced easily	Takes long time to replace tyres
Prime mover of required capacity can be used.	Prime mover registered for the particular trailer only will be used