

QUALITATIVE REQUIREMENTS & TRIAL DIRECTIVES OF UNDER VEHICLE SEARCH MIRROR

S No	Parameters	QR	TD
1	General	The under-vehicle search mirror should facilitate the observer to inspect the under body of a light vehicle in standing position from all four sides without leaving any blind spots.	To be physically checked by BOO on one SUV (Tata safari or larger and one sedan (Maruti Ciaz or larger). The mirror can be moved/ adjusted to cover the entire under body during trials.
2	Design	Should have a rectangular convex mirror.	To be checked by the BOO
		Should have roller wheels or similar arrangement for placing it under the vehicle.	To be checked by the BOO.
		Should have a LED torch to completely illuminate the under body covered in the reflection of the mirror.	To be physically checked by BOO. BOO to ensure that the entire area covered in the reflection is illuminated by the torch.
		Should have a telescopic handle with two hand grips for the operator.	To be physically checked by BOO.
		Operational weight of the mirror should not exceed 6Kgs.	To be physically checked by BOO.
3	Operability	The under-vehicle search mirror must be able to cover the entire under body of SUVs and Sedans.	To be physically checked by BOO for Tata Safari and Maruti Ciaz or larger vehicle.
		The mirror must be able to move comfortably on its wheels for employment on tarmac or cemented surfaces.	To be physically checked by the BOO.
		The LED torch should operate on rechargeable batteries that are commercially available in the market.	To be physically checked by the BOO.
		Compatible battery charger to be provided with the LED torch.	To be physically checked by the BOO.
4	Durability	The metal used in the mirror must be rust proof.	Certificate to be provided by OEM
		Storage conditions should be (i) Temperature -10 to +55°C. (ii) Humidity - 80%	Certificate to be provided by OEM
		The equipment must have a shelf life of min 5 years	Certificate to be provided by OEM
		Protective cover for the mirror surface to be provided that can effectively protect against scratches.	To be physically checked by BOO by rubbing a metallic nail cover the protective cover.
		Hard transportation box to be provided for carriage.	To be physically checked by BOO.

QUALITATIVE REQUIREMENTS & TRIAL DIRECTIVES OF ICE TONGS

S No	Parameters	QR	TD
1	General	The Ice Tongs should be tongs made up of heavy-duty metal which can be used to grip and lift heavy objects.	To be physically checked by BOO.
2	Design	Should be shaped like scissors identical to heavy duty commercially available ice tongs.	To be physically checked by BOO.
		Should have separate comfortable grips for both hands of the operator on one side of the pivot.	To be physically checked by BOO.
		Operational weight of the tongs should not exceed 1.5K	To be physically checked by BOO.
3	Operability	Should be able to support lifting up to 10Kgs of load without yielding.	To be physically checked by BOO by lifting 10Kgs of load 10 times and the tongs should not get deformed.
		The two arms of the tong should be well fitted and there should be no play between the arms at the pivot.	To be physically checked by BOO by lifting 10Kgs of load 10 times, there should be no play at the pivot in the end.
		The lifting end of the tongs should have effective grip on the object.	To be physically checked by BOO by lifting 10Kgs of load 10 times object must not slip while lifting.
4	Durability	The metal used in the tongs must be rust proof.	Certificate to be provided by OEM
		Storage conditions should be (i) Temperature (-10°C to +55°C). (ii) Humidity - 80%	Certificate to be provided by OEM
		The equipment must have a shelf life of min 5 years.	Certificate to be provided by OEM
		Hard Transportation box to be provided for carriage.	To be physically checked by BOO