

## Annexure-I ( New Generation Hydraulic Truck Crane)

Description	CSIR-CMERI Specification
Drive	Diesel Operated Hydraulic Truck Crane With Lower CG position & Better Stability
Lifting Capacity	16 Tonne or More With safe load Indicator and cutoff
Engine Power	100 HP or more
Transmission	-Heavy Duty Synchromesh Gear Box -4 Wheel Drive -Minimum: 08 Forward & 02 Reverse
Gradeability	40% ( Unladen) or more
Boom	4 Part Boom -Hydraulic Powdered Parts of Boom should be Fully Synchronized - Other Part Booms must be Power Extended
Hoist	-Hydraulically operated with 6 Falls Heavy Duty Winch built in <b>Safety</b> brakes. -Audio Over Hoisting Indication & Hoist Hydraulic Cut Off
Steering	Hydraulic Operated Steering with Minimum 40° Articulation on Either Side
Brake	-Pneumatic Operated Dual Circuit Brakes on Front & Rear Axle -Parking: Pneumatic Operated spring actuated fail safe Brake
Axle	-Front Rigidly mounted front wheel drive axle -Rear Mounted with two semi- elliptical springs
Operating Weight	16000 Kgs or more
FOPS Cabin	-Front mounted cabin -Fully enclosed wide view cabin with easy entry and exit from the cabin.
Traffic Lights	To be Provided
Horn and Reverse Alarm	To be Provided
-Adjustable Operator Seat -Helper Seat with Platform	To be Provided
Tool Kit	To be Provided
Rear view mirrors	To be Provided
Tyre Size Front/Back	8 Nos. : 11.00 x 20 – 16PR With tyre guard
<b>Optional Attachments</b>	
Drag Winch	To be Quoted as As Optional
Fly Jib	To be Quoted as As Optional
Cabin Front Glass Protector	To be Quoted as As Optional
Front & Side Proximity Sensors	To be Quoted as As Optional
Rear view Camera with Display	To be Quoted as As Optional

