

Technical Specification of Hydraulic Road Mobile Crane
 INDENT No. 92599032 Dtd 29.3.13

15
 W.C.R.
 Annexure - I

MAJOR PARAMETER	1	Purpose and capability.	Lifting and lowering of all loads up to the maximum specified working load at different specified clear out reach.
	2	Type of Crane	Hydraulic Road Mobile " Pick N carry"
	3.	Mobility	Self Propelled.
	6.	Lifting capacity (minimum 85%of tipping load)	At least 5T at 2.0 M from center of front axle., 3T at 3.0 M from center of axle. 2T at 4.6 M from center of front axle
	7.	Travel speed without load	20-30 Kmph
	8.	Transmission	Sliding mesh with 6 forward and two reverse speeds with high low range selector. Single dry friction clutch plate should be provided.
	9.	Hydraulic System	i. Vane type pump directly driven from engine should be used for generating hydraulic pressure; ii. Suction line has The piston assembly shall be effectively pressure sea100 mesh size strainer while return line is fitted with 25 micron full flow filter. iii.The hydraulic system shall be provided with double safety pressure relief valves and safety valves in all hydraulic cylinder
	10.	Brake system	Pneumatically assisted hydraulic brakes. Front and rear brakes are actuated through a single pedal. Parking brake also should be provided.
	11.	Steering system	Hydraulically operated with 55 degree articulation on either side and turning radius of 5.5 meters (approx0 on outer rear wheels .
		Boom	
MINOR PARAMETER.	1.	Electric system	12 Volt. Negative earth with 35 Amp alternator and 88 Amp battery .
	2.	Gauges	Air Pressure gauge, Hydraulic Pressure gauge, Engine oil pressure Gauge, Hour Meter shall be provided for measurement
Concomitant Accessories			Tyre front 10.00 x 20 x 16 PR(04 Nos) Tyre Rear -13x 24x12 PR(02 Nose)
Optional Accessories			Nil
spares			Nil
Warranty			As per IRS General condition
AMC			Not required
		Installation & Commissioning.	The contractor shall arrange commissioning of the crane after its receipt by Railway.

[Signature]
 SSE/mw

[Signature]
 Dy. Chief Material Manager
 Railway

[Signature]
 DY. C.M.E. (I)
 DY. C.M.E. (II)
 Waco

West Central Railway

Annexure-II

To be submitted by the firm along with offer-

Tender specification as per Annexure-I	Specification quoted by the firm	Deviation if any with clarification

Signature of firm's

A handwritten signature in black ink, consisting of a stylized name followed by a long horizontal line extending to the right.