

# Guidelines – Mobile Cranes



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<h3 style="text-align: center;">SELECTION OF CRANE</h3> <ul style="list-style-type: none"> <li>• Select the right crane for the load to be lifted.</li> <li>• Crane must be of good mechanical construction of sound material, adequate strength &amp; free from any defect.</li> <li>• Risk assessments (RA) must be carried out for all mechanical lifting.</li> <li>• Method of lifting as per the RA must be communicated to all those involved.</li> <li>• Detail of crane capacities at various radiuses must be displayed prominently. Cranes over 1 ton capacity must be fitted with SLI.</li> <li>• Provide proper access &amp; egress to operator's cabin.</li> <li>• Ensure that limit switches are in working condition.</li> </ul>	<h3 style="text-align: center;">TESTING &amp; CERTIFICATION</h3> <ul style="list-style-type: none"> <li>• Lifting equipment must be tested every <b>12 months</b> through Trakhees approved third party. (test <b>6 monthly</b> if persons are lifted e.g. man riding basket)</li> <li>• Lifting must be done under the supervision of appointed person with relevant experience.</li> <li>• Crane operator, signaller / slinger must have competency certificate issued by a Trakhees approved third party.</li> <li>• Carry out weekly service inspection of crane which must be recorded in a register.</li> <li>• Ensure that all operators, signaller /slingers are medically fit &amp; have good eye sight.</li> </ul>	<h3 style="text-align: center;">POSITIONING OF CRANE &amp; RIGGING</h3> <ul style="list-style-type: none"> <li>• Ground must be levelled &amp; compacted &amp; shall be stable for positioning of crane.</li> <li>• Ensure that the crane does not possess any hazard to other workers &amp; moving traffic.</li> <li>• Outriggers must be used with pads below.</li> <li>• Make use of safe &amp; tested lifting tackle marked with SWL on it.</li> <li>• Lifting tackle must not be altered, lengthened or repaired.</li> <li>• Do not position the crane unsafely near excavated pit or trench.</li> <li>• Lifting tackle must be free from any defects.</li> <li>• All cranes must maintain a clear distance of <b>3 metres</b> from 50 KV power lines.</li> </ul>		
<h3 style="text-align: center;">TRAINING &amp; PPE</h3> <ul style="list-style-type: none"> <li>• Main contractor must ensure that people involved in lifting operation are competent to carry out their work safely.</li> <li>• Use PPE as identified in RA &amp; as recommended in the manufacturer's operation manual.</li> </ul>	<h3 style="text-align: center;">COMMUNICATION</h3> <ul style="list-style-type: none"> <li>• Provide effective means of communication between the crane operators &amp; signallers, slingers.</li> <li>• Provide radio communication when there is no clear line of sight between the crane operator &amp; signaller /slinger.</li> </ul>	<h3 style="text-align: center;">LIFTING</h3> <ul style="list-style-type: none"> <li>• Cordon off the area where lifting is carried out.</li> <li>• Display adequate safety notices.</li> <li>• Do not operate the crane in high winds, refer crane manual.</li> <li>• Lifting accessories must be thoroughly examined by a competent person every 6 months.</li> </ul>		