

Guidelines – Mobile Cranes

PCFC- Entity (Business Unit) Name	:	Trakhees (Dept. of Planning & Development)
Department Name	:	Civil Engineering Department (CED)
Section Name	:	Inspection & Compliance (Construction Safety)
Document Reference Number	:	PCFC-TRK-CED-CS-G19
Revision Number	:	02
Revision Date	:	January 2019
Classification	:	Public

Guidelines – Mobile Cranes

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