

Clarification No.-I dated 14/10/2025 to EoI Documents for Expression of Interest (EoI) for Development of mobile tower crane for mechanization of erection of Transmission Line Towers. Spec No: CC/NT/G-MISC/DOM/ A10/25/08777

Sr. No.	Technical Specification Clause Reference	Technical Specification	Bidder's Query	POWERGRID's Clarification
1.	Clause No.3 (g)	Crane should have electric/ hydraulic mechanisms capable of lifting tower sections and aid in erection of towers as well as movement of workforce with a minimum lifting capacity of 8 tons.	Both Arms taken together: Please Clarify	Crane should have electric/ hydraulic mechanisms capable of lifting tower sections and aid in erection of towers as well as movement of workforce with a minimum lifting capacity of 8tonns or more. Yes, with both arm taken together total 8tonnes or more and 4 tonnes or more for each arm. Provision of EOI documents shall prevail.
2.	Clause No.3 (k) i.	Lifting capacity: 4 tons or more on each side (Total 8 tons)	5T on 1 arm, total 10T	Lifting capacity: 4 tonnes or more on each side (Total 8 tonens), higher is acceptable. Provision of EOI documents shall prevail.
3.	Clause No.3 (k) ii.	Lifting height: 50m or more	90m	Lifting height: 50m or more Provision of EOI documents shall prevail.
4.	Clause No.3 (k) iii.	Working range: up to 15m or more on each side from centre (total 30 or more)	15m on each side, total 30m	up to 15m or more on each side from centre (total 30 or more), i.e. Crane Arm length should be 15meter and have the working range from close proximity of crane mast to 15m radius or more. Provision of EOI documents shall prevail.
5.	Clause No.3 (k) ix.	Erection Height: Up to 50 meter	Approx. 78~80m	Up to 50 meter, i.e. should comply to erection from tower ground level to height of 50 meter or more. Provision of EOI documents shall prevail.
6.	Clause No.3 (k) xi.	Lifting speed: Minimum 5m/min under full load (Adjustable)	Is it the hook speed, please clarify	Lifting speed: Minimum 5m/ min under full load (Adjustable), generally measured as hook speed. Provision of EOI documents shall prevail.
7.	Clause No.3 (k) xii.	Slewing Range: 180° or more rotation or restricted by tower Geometry	Rotating angle: +/- 170 degree	Slewing Range: 180° or more rotation or restricted by tower Geometry. Should meet the required rotation of 180°. Provision of EOI documents shall prevail.
8.	Clause No.3 (k) xv.	Mobility: Modular transport (truck/ trailer mounted) with minimum speed of 30km/hr on ground.	Base will be Crawler Mounted, so the self-speed during travel will be approx. 2 km/hr. when loaded on the truck / trailer, then a travel speed of 30Km/hr can be achieved.	In general crawlers have limited speed and are suitable for difficult terrains. Hence crawler mounted cranes also fulfil the requirement. Refer enclosed Amendment.

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9.	Clause No.3 (k) xxviii.	Compliance: IS 4137 / ISO 4306 for crane safety and definitions and IEC 60204-32: Electrical Equipment of Machines or other relevant standard	Standards pertaining to Tower Crane will be adopted.	Compliance: IS 4137 / ISO 4306 for crane safety and definitions and IEC 60204-32: Electrical Equipment of Machines or other relevant standard. Yes, standards are related to crane and crane safety. Provision of EOI documents shall prevail.
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