RURAL ELECTRIFICATION AND RENEWABLE ENERGY CORPORATION

POWER DISTRIBUTION AND REGIONAL COORDINATION DIRECTORATE

BID CLARIFICATION 001

15th July, 2025

RFX 1000001392	**COMPLETION OF PROPOSED WAREHOUSE FACILITY AT MWEIGA STORES**

The following queries were raised by prospective bidders and the respective response is detailed hereunder:

S/No.	Queries	Response
1.	**Joint Venture Eligibility Requirements** Please confirm whether **both JV partners** are required to individually hold a minimum of **NCA 5 category**, or whether it is acceptable for only one of the partners to meet this requirement.	One of the partners in the Joint ventures can have the NCA 5
2.	**Validity Period of CR12** There is a discrepancy between **MR6** and **ITT 11.1(h) 5** regarding the validity period of the CR12 form. Kindly confirm whether the CR12 should be valid within **three (3)** months or **six (6)** months from the date of tender submission.	Validity should be 6 months. Amendments have been made.
3.	**Contractor Design and Drawing Guidelines** We would appreciate guidance on the applicable **design and drawing guidelines** expected for this project, including any specific formats or standards to be adhered to.	The projects is an EPC and the successful bidder is expected to prepare the designs and submit for approval by REREC. The following are the key design and drawings guidelines: 1. Carry out soil investigation including resistivity testing and submit a report. 2. Provide a topographical survey of the entire site. 3. Provide an earthing design with relevant design calculations

		4. Provide a master layout of the site to house the warehouse. 5. Provide an earthworks (cut & fill) drawings with FGL (Finished Ground Levels) and FFL (Finished Floor Levels) indicated. 6. Provide warehouse architectural and structural designs with support calculations and all the relevant details. 7. Provide the electromechanical designs for the warehouse building in relation to the electrical and mechanical services anticipated as follows: power distribution boards, lighting distribution boards, lighting points with associated switches, socket outlet points, plumbing and drainage points for lavatories and wash hand basin, foul and waste drain pipes, and gantry crane control system. 8. Provide a crane structure design and relevant calculations 9. Provide methodology for earthworks, earthing and as required by the supervising engineer 10. Provide a certified testing expert to test the crane prior to handover 11. Provide road and drainage design drawings including details and design calculations. NOTE: The warehouse should be of approximately 25m by 21m and 4m high from the Finished Floor Level to the Ring Beam. The drawings are to be submitted in A3 (triplicate) for review and approval and the DWG drawings are to be provided in the Flash Drive to the PM. As built drawings shall be submitted during the handover in DWG and A3 (triplicate) The designs are expected to be checked and signed off by a Professional Engineer and Architect. The designs are expected to comply with all regulatory standards applicable in Kenya.

OTHER CLARIFICATIONS ARISING FROM THE PRE-BID MEETING

	Item	Specification
4.	**Main Structural Frame**	
i.	Column	Reinforced Concrete (RC) Column Concrete: C30 Rebar: Y16–Y32 (B500B/B500C) Cover: 40–50 mm
ii.	Beam	RC Beam (rectangular or inverted T beam) Concrete: C30 Rebar: Top/Bottom Steel based on span and load
iii.	Foundation	RC Isolated Footing / Combined Footing / Raft With pedestal for gantry rail seat if required

iv.	Crane Support Pedestal	Integral or separate RC pier with anchor bolts for steel crane runway beam mounting
v.	Slab	Reinforced Concrete Slab (if applicable)Thickness: 150–250 mm depending on loading With load rating to support equipment and traffic
5.	**Gantry Crane Secondary Frame**	
i.	Crane Runway Beam	Structural Steel I-Beam or Box Girder Material: Q345 or S355 (as per design) Anchored to RC column/pedestal or seated on steel brackets
ii.	Column Bracket / Shelf Angle	Embedded steel plate with anchor bolts or welded bracket on steel insert plates
iii.	Bracing and Tie Members	Q235 Round Bar or Steel Angle for lateral stability of crane beam
6.	**Crane Parameters**	
i.	Crane Type	Overhead Travelling Crane (Single/Double Girder)
ii.	Crane Capacity	Typically 5–30 Tons (customized to user requirements)
iii.	Crane Span	As per structural bay width (e.g., 12m–24m)
iv.	Hook Height	Determined by vertical clearance of building; include ~500 mm below beam
7.	**Cladding / Enclosure**	
i.	Roof Panel	Steel Roof with Insulation sheets
ii.	Wall Panel	Masonry Infill as per enclosure need
iii.	Doors & Windows	Rolling Shutter / Galvanized steel Door for crane access Heavy Duty Naturally Anodized ,Powder Coated Aluminum Windows
8.	**Service Loads**	
i.	Live Load on Roof	1.5 kN/m² typical (adjust as per design standard)
ii.	Floor Live Load	5.0–10.0 kN/m² depending on use (equipment, traffic)
9.	**Crane Load Consideration**	
i.	Vertical Load (Static + Dynamic)	Based on crane capacity + impact factor (typically 1.1–1.25)
ii.	Lateral Load (Surge)	Horizontal force during trolley movement; typically 10–15% of lifted load
iii.	Longitudinal Load	Braking force from crane movement; ~5–10% of total crane load
10.	**Durability and Finishing**	
i.	Reinforcement Protection	Epoxy-coated / galvanized rebar if in corrosive environment
ii.	Finishing Options	Paint / plaster / architectural concrete as required