

## Ammendment-1

Following shall be under scope of bidder's scope of work-

1. Split type air conditioner of suitable capacity (min 2T) in the elevator machine room which includes fans, air filter and accessories to prevent dust ingress in the machine room.
2. Karnataka state electricity rules are also to be followed as statutory rules and regulations.
3. Scaffoldings along with whitewash inside shaft required in their scope of work.
4. Lighting in pit & M/c room as per electrical specification
5. Specification & quality plans for cabling, earthing & lightning protection. -To be considered deleted. Accordingly, kindly delete the following sections from technical spec. :-
  - a. STANDARD SPECIFICATION cabling
  - b. STANDARD SPECIFICATION earthing
  - c. QP EARTHING LIGHTNING PROTECTION MATERIALS ( PE-QP-999-509-E001)
  - d. QP-Cable tray support-welded (PE-QP-999-507-E006,)
  - e. QP-Cable tray ( PE-QP-999-507-E005 )
6. Revised electrical scope between BHEL and vendor shall be as follows-

S. NO	DETAILS	SCOPE SUPPLY	SCOPE E&C	REMARKS
1	Isolating Switch	Vendor	Vendor	BHEL will provide two number 415 V (3ph, 4W) supply feeder only up to isolating switches/ motor for elevators. Any other voltage level (AC/DC) required will be derived by the vendor. Motor starter shall be part of elevator control panel.
2	Power cables, control cables & screened control cable from Switchgear to motor.	BHEL	BHEL/Vendor	Cable laying from switchgear to isolating switch shall be done by BHEL. Cable laying between isolating switch & elevator motor shall be in vendor scope. Cable termination at isolating switch & motor shall be by vendor.
3	Special /Flexible/ Trailing cable between equipment supplied by vendor.	Vendor	Vendor	As per relevant IS / International standard
4	Cabling material (cable trays, accessories, cable tray supporting system, conduits etc.).	Vendor	Vendor	Local cable trays shall be provided by vendor (if required)
5	Equipment Earthing	Vendor	Vendor	All equipment metallic enclosures / frames, metal structure etc. shall be grounded at two points each to the nearest grounding points / risers provided by BHEL.
6	Motors	Vendor	Vendor	
7	Cable glands and lugs for equipment supplied by vendor	Vendor	Vendor	Double compression Ni-Cr plated brass cable glands Solder less crimping type heavy duty tinned copper lugs for power & control cables.

8	Input cable schedules (C & I) Cable interconnection details for above c) Cable block diagram	Vendor Vendor Vendor	- - -	Cable listing for Control and Instrumentation Cable in enclosed excel format shall be submitted by vendor during detailed engineering stage.
9	Equipment layout drawings	Vendor	-	
10	Electrical Equipment GA drawing	Vendor	-	For necessary interface review.