



**ENGINEERING PROJECTS(INDIA)LTD.**  
**(A. Govt. of India Enterprise)**  
**Contracts Division, New Delhi**

EPI/CO/CON/967/898

27.05.2025

**Corrigendum-01**

**Subject :** Tender for Internal & External Electrification works, including illumination, supply of cables, LT panels, HT panel as per BOQ and Lightening Protection for the project of Provision of Administrative and Logistic Infrastructure under WP-07 and WP-5b At Naval Station Rambilli, Visakhapatnam.

**Reference :** 1) NIT No: EPI/CO/CON/967/898 Dated 14.05.2025

With reference to the subject e-Tender, Please note the following :

Reply to Prebid Queries Attached as Annexure-1

**The revised Time schedule of Tender activities is given as per below detail.**

<b>i)</b>	Last Date & Time of Submission of Tenders	04.06.2025 up to 1500 HRS
<b>ii)</b>	Date & Time of online opening of tender (Technical Bid)	05.06.2025 at 1500 HRS

All the terms & conditions of the tender shall remain unchanged.

**ENGINEERING PROJECTS (INDIA) LIMITED**  
**Contracts Division, New Delhi**

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Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	7	S&F LED Flood light fitting 140Watts, 230 volts, >100lum/W, beam angle of $\phi$ 120°, AC outdoor type with high Pressure Die Cast aluminum Housing and heat resistant complete with LED lamp, driver, bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection with all accessories, complete all as specified and as directed. Make: Cat No. LHB11-140-CDL/60-M of Crompton Greaves or Equivalent make as specified here-in-after.	Please provide the detailed technical specifications	BOQ Stands Good
	8	S&F LED Building Security light fitting 40Watts, 230 volts, >100lum/W, with Suitable size GI bracket made out of 25/40mm GI pipe fixed with clamps, nuts&bolts etc., complete with IP 65/66 protection with LED lamp, driver, bracket with impact and corrosion resistant and all accessories, complete all as specified and as directed. Make Cat. CIS-300-40-57-SL-DP-NGR for batten and LT8-20-865(2) for tube of Crompton or equivalent in makes given here-in-after.	Please provide the detailed technical specifications	BOQ Stands Good
	16	S&F Hot dip Galvanised perforated cable tray with cover for fixing XLPE cables at various places to accommodate the cables for MCBs, Panel etc of size not less than 150X50mm, 3mm thick with necessary bends, angles, supports for fixing etc., complete all as specified and as directed.	Please clarify below points -Please provide the detailed specifications -Steel fabrication for supporting work of cable trays and cables in which scope?. If in vendor scope please clarify the route of the cable trays -Please specify the cable trays accessories like tee, bends, reducers is readymade or fabricated on site?	As per particular Specification attached with tender
	19	M&L for Engaugement LED light fitting 2x15Watt, with and including LED light driver holder connecting with three core flexible copper conductor cable of suitable size, complete all as specified and as directed.	Please provide the detailed technical specifications	BOQ Stands Good
	20	M&L for Patient token LED light fitting 15Watt, with and including LED light driver holder connecting of with three core flexible copper conductor cable of suitable size, complete all as specified and as directed	Please provide the detailed technical specifications	BOQ Stands Good
	21	M&L Integral LED 100 Watts aviation obstruction light new generation, PF>0.95, with aluminium housing and polycarbonate enclosure and IP 66 protection, with suitable GI pipe bracket with clamps, all accessories and internally pre wired and connecting up with three core twisted flexible copper conductor cable with suitable size, complete all as specified and as directed.	Please provide the detailed technical specifications	BOQ Stands Good
	22	M&L for Row indicator LED light fitting 05Watt, with and including LED light driver holder connecting of with three core flexible copper conductor cable of suitable size, complete all as directed by Engr-in- charge.	Please provide the detailed technical specifications	BOQ Stands Good
	23	M&L for Foot LED light fitting 05Watt, with and including LED light driver holder connecting of with three core flexible copper conductor cable of suitable size, complete all as directed by Engr-in-charge.	Please provide the detailed technical specifications	BOQ Stands Good
	24	M&L for Entry / Exist LED light fitting 05Watt, with and including LED light driver holder connecting of with three core flexible copper conductor cable of suitable size, complete all as directed by Engr-in- charge.	Please provide the detailed technical specifications	BOQ Stands Good
	25	Supply, Installationing, testing and commissioning of LT panel Indoor type, OEM factory made totally type tested panel confirming to IEC 61439 Part-1 & 2, confirming to IP 54 Protection, free standing mounted on PCC pedestal, dust and vermin proof, fabricated with 2.00mm thick CRCA sheet painted with seven tank process and shall be powder coated with RAL7035 coat with matt finish, high conductivity aluminium alloy bus bar TPN of rating 1.5 times the incoming switchgear Amps capacity with colour coded heat shrinkable sleeves mounted on porcelain insulator supports with separate hinge door for each compartment with operating handle & locking arrangement with back door common openable (screwed/Lockable) including interlocking with switch gears and suitable for 1100 volts Grade, 3 phase 4 wire with rated operational voltage 433V,50Hz, AC supply and to with stand short circuit fault level of not less than 100KA, rated insulation voltage of 1000V and Impulse withstand of 12kV and minimum internal Arc with-stand of 65kA, 500mSec as per IEC 61641, weather proof, fixed with angle iron frame 50x50x6mm at corners and ISMC at base, fixing with PCC 1:2:4 type B1, all as per the OEM recommendation and connecting of incoming/outgoing cable etc., complete with and including M&L for following accessories:- Note: All Incoming MCCBs are of Microprocessor based and out going MCCBs are of Adjustable type. Incoming: (a) MCCB 80Amps, 4Pole, 25kA with O/L, S/C & E/F protection - 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch - 1 No (d) LED indication lamp (RYB) -01 Set Outgoing: (a) MCCB 16-40Amps, 4Pole, 16kA with O/L, S/C & E/F protection - 03 Nos (b) Space for 01No of 40Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	26	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 100Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 16–63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 04 Nos (b) Space for 01No of 40Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	27	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 500Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 320Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 100Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 02 Nos (c) MCCB 25Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 02 Nos (d) Space for 01No of 40Amp MCCB 4P & 01No 100Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	28	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 320Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 100Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 03 Nos (b) MCCB 25Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 02 Nos (c) Space for 01No of 40Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	29	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 25Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCB 10Amps, TPN, 10kA, B series – 02 Nos (b) DOL Starter suitable for 5HP – 02 Nos (c) Single Phase Preventor – 02Nos.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	30	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 200Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 100Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 02 Nos (b) MCCB 16–25Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 02 Nos (c) Space for 01No of 25Amp MCCB 4P. (d) Space for 01No of 100Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	31	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 25Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCB 10Amps, TPN, 10kA, B series – 02 Nos (b) DOL Starter suitable for 5HP – 02 Nos (c) Single Phase Preventor – 02Nos.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	32	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 63Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 25Amps, 4Pole, 16kA with O/L, S/C& E/F protection – 01 Nos (b) MCB 16–32Amps, TPN, 10kA, B series – 02 Nos (c) MCB 20Amps, SPN, 10kA, B series – 02 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	33	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 250Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 63Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01Nos (b) MCCB 20Amps, 3Pole, 25kA with O/L, S/C & E/F protection – 05Nos (c) MCB 6–40Amps, TPN, 10kA, B series – 03 Nos (d) DOL Starter suitable for 0.25HP – 05 Nos (e) DOL Starter suitable for 3HP – 01 Nos (f) Auto Star delta starter suitable for 12.5HP – 05 Nos (g) Single Phase Preventor –05Nos.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	34	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 63Amps, 4Pole, 25kA with O/L, S/C& E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 20Amps, 3Pole, 25kA with O/L, S/C& E/F protection – 03Nos (b) MCB 6Amps, TP, 10kA, B series – 01 Nos (c) MCB 6Amps, SP, 10kA, B series – 04 Nos (d) Auto Star delta starter suitable for 12.5HP – 03 Nos (e) DOL Starter suitable for 0.25HP – 04 Nos (f) DOL Starter suitable for 3HP – 01 Nos (g) Single Phase Preventor – 03Nos.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	35	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 63Amps, 4Pole, 25kA with O/L, S/C& E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 40Amps, 3Pole, 25kA with O/L, S/C& E/F protection – 01Nos (b) MCB 10Amps, 4Pole, 10kA, B series – 01 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	36	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 400Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch-1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 125Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 01 Nos (c) MCB 40Amps, TPN, 10kA, B series – 08 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
Volume II BO QDrawings1- BoQ	37	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) ACB 1600A, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C& E/F protection –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 400Amps, 4Pole, 35kA with O/L, S/C& E/F protection – 01 Nos (b) MCCB 320Amps, 4Pole, 35kA with O/L, S/C& E/F protection – 01 Nos (c) MCCB 16–63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 15 Nos (d) MCCB 80Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 01 Nos (e) MCB 6–32Amps, TPN, 10kA, B series – 05 Nos (f) MCB 6–32Amps, DP, 10kA, B series – 18 Nos.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	38	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 320Amps, 4Pole, 36kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 200Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 100Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 01 Nos (c) MCB 40Amps, FP, 10kA, B series– 01 Nos (d) Space for 01No of 100Amp MCCB 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	39	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 160Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 16–63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 3 Nos (b) MCB 20Amps, SPN, 10kA, B series– 02 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	40	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 250Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 16–63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 05 Nos (b) MCB 20Amps, SPN, 10kA, B series 02 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	41	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 125Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCB 16–32Amps, TP, 10kA, B series– 08 Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	42	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) ACB 800Amps, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection with thermal magnitic release –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 400Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 250Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (c) MCCB 125Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01Nos (d) MCCB 63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 03 Nos (e) Space for 4P MCCB 630Amp –01Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	43	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) ACB 800Amps, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection with thermal magnitic release –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 250Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 125Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (c) MCCB 63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 03Nos (d) Space for 4P MCCB 630Amp –01Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	44	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) ACB 800Amps, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection with thermal magnitic release –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 200Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 100Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 04 Nos (c) MCCB 63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 02Nos (d) Space for 4P MCCB 630Amp –01Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	45	All as per Serial Item No. 82 here in before but with following accessories:- Incoming: (a) MCCB 630Amps, 4Pole, 25kA with O/L, S/C & E/F protection with thermal magnitic release – 01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 200Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (b) MCCB 125Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (c) MCCB 100Amps, 4Pole, 25kA with O/L, S/C & E/F protection – 01 Nos (d) MCCB 63Amps, 4Pole, 16kA with O/L, S/C & E/F protection – 05Nos (d) Space for 4P MCCB 630Amp –01Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	46	Supply, Installationing, testing and commissioning of LT panel Outdoor type, OEM factory made totally type tested panel confirming to IEC 61439 Part–1 & 2, confirming to IP 55 Protection, floor mounted, dust and vermin proof, fabricated with 3.15mm thick CRCA sheet painted with seven tank process and shall be powder coated with RAL7035 coat with matt finish, high conductivity aluminium alloy bus bar TPN of rating 1.5 times the incoming switchgear Amps capacity with colour coded heat shrinkable sleeves mounted on porcelain insulator supports with separate hinge door for each compartment with operating handle & locking arrangement with back door common openable (screwed/Lockable) including interlocking with switch gears and suitable for 1100 volts Grade, 3 phase 4 wire with rated operational voltage 433V, 50Hz, AC supply and to with stand short circuit fault level of not less than 100KA, rated insulation voltage of 1000V and Impulse withstand of 12kV and minimum internal Arc with–stand of 65kA, 500mSec as per IEC 61641, weather proof, fixed with angle iron frame 50x50x6mm at corners and ISMC at base, fixing with PCC 1:2:4 type B1, all as per the OEM recommendation and connecting of incoming/outgoing cable etc., complete with and including M&L for following accessories:- Note: All Incoming MCCBs are of Microprocessor based and out going MCCBs are of Adjustable type. Incoming: (a) ACB 2000Amp, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) – 01 Set Outgoing: (a) ACB 1600Amp, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection –01 Nos (b) MCCB 400Amps, 4Pole, 35kA with O/L, S/C & E/F protection – 01 Nos (c) Space for 1600Amp ACB –01Nos (d) Space for MCCB 400Amp –01No.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	47	All as per Serial Item No. 103 here in before but with following accessories:- Incoming: (a) ACB 2000Amp, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) ACB 800Amp, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection –03 Nos (b) MCCB 100Amps, 4Pole, 35kA with O/L, S/C & E/F protection –02 Nos (c) Space for 800Amp ACB –01Nos, 1 No MCCB 100Amp 4P & 1No MCCB 630Amp 4P.	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	48	All as per Serial Item No. 103 here in before but with following accessories:- Incoming: (a) ACB 800Amp, 4pole, 50kA, 415V, EDO with ZSI function & LCD display for Current & Voltage metering with O/L, S/C & E/F protection –01 Nos (b) Digital Ammeter with selector switch–1 Nos (c) Digital Voltmeter with selector switch – 1 No (d) LED indication lamp (RYB) –01 Set Outgoing: (a) MCCB 500Amps, 4Pole, 50kA with O/L, S/C & E/F protection –02 Nos (b) MCCB 100Amps, 4Pole, 35kA with O/L, S/C & E/F protection –01 Nos (c) Space for 800Amp ACB –01Nos	We request you to please add some makes like L&T as delivery prospective.	List of Makes Shall be as per APPROVED NAMES FOR PRODUCTS TO BE INCORPORATED IN WORKS in Particular Specification
	51	S&F Fully automatic transfer Change over switch with RJ 45 ethernet connect port along with cable integrated with SCADA for source change, cubical type with arc chute of capacity 630Amps, range 63A to 630A, AC 23A, 4P conforms to latest IS/IEC codes with inter chargeable dual shaft position with site convertibility and flip-able handle able 630A capacity in LT panel, including necessary interconnections of cables and control wiring, complete all as specified and as directed.	Please provide below clarifications. -Please describe what is use of this change over switch -Please provide the installation location of this COS -We request you to please check this item estimated rates.	Required infprmation already given in BOQ.
	52	S&F Energy saving, environmentally friendly & robust High bay light LED 80 Watt energy efficient, P.F>0.95, >100 lum/watt, with and including LED light driver holder connecting with three core flexible copper conductor cable of suitable size, complete all as directed by Engr–in–charge. Make: Cat No. LHDLAAU7PG7S080 of Havells or Equivalent in makes given here–in–after.	Please provide below clarifications. -Please provide the detailed specifications -Please provide elevation/cross section drawing for check the installation height and arrangments	BOQ Description stands good
	53	S&F Energy saving, environmentally friendly & robust High bay light LED 50 Watt energy efficient, P.F>0.95, >100 lum/watt, with and including LED light driver holder connecting of with three core flexible copper conductor cable of suitable size, complete all as directed by Engr–in–charge. Make: Cat No. LHDLAAU7PG7S050 of Havells or Equivalent in makes given here–in–after.	Please provide below clarifications. -Please provide the detailed specifications -Please provide elevation/cross section drawing for check the installation height and arrangments	BOQ description stands good
	External Electrification-1	Supply and erect steel tubular swaged pole complete with cast iron base plate, finial taper plug, bolts, nuts and screws all as specified type 410 SP-55 (11.0m long) as per IS-2713 (Part-III) of 1980 and applying three coats of black bituminous paint through out internally and two coats externally on the portion embedded in concrete and applying two coats of aluminium paint over a coat of zinc chrome primer to the exposed surfaces, complete all as specified and as directed. Note: Excavation and concrete shall be measured and paid separately.	Please provide below clarifications. -Please provide the detailed specifications -Please provide elevation/cross section drawing for check the installation height and arrangments	BOQ stands good
	External Electrification-2	M&L for Cross arms, bracings, supports, clamps and back plates fabricated from structural steel sections including nuts, bolts, washers, welding, bending cold or hot, drilling holes for bolts, in any shape or size as indicated or directed and inclusive of one primer coat, one under coat and one finishing coat of paint complete all as directed.	Please provide below clarifications. -Please provide the Cross arm size -it has wall mounted or pole mounted?	BOQ stands good , Unit of measurrement Qty to be read as Qunintal
	External Electrification-38	M&L for High galvanized mast light 16/15m height, suitable for 6 to 9 lantern symmetrically fitted along with their control gear and having two point suspension system with stainless steel wire rope of 6mm dia 97/19 guage and double drum winch with luminaire mounting arm, pulley assembly, aviation obstruction light, lightning arrester spike, junction box with and including all accessories and RCC M30 foundation as per OEM recommendations, complete all as specified and as directed. Note: Light fittings will be measured and paid for separately. Make: Cat No. HM-16ALM- ACC of Crompton Greaves or Equivalent make as specified here–in–after.	Please provide below clarifications. -Civil Foundation work for highmast in electrical vendor scope or Civil vendor scope?	Foundation in bidder's Scope
	External Electrification-39	S&F LED Flood light fitting 100Watts, 230 volts, >100lum/W, beam angle of $\phi$ 120°, AC outdoor type with high Pressure Die Cast aluminum Housing and heat resistant complete with LED lamp, driver, bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection with all accessories, complete all as specified and as directed. Make: Cat No. LHB11-100-CDL/60-M of Crompton Greaves or Equivalent make as specified here–in–after.	Please provide below clarifications. -Please provide the detailed specifications -Please provide elevation/cross section drawing for check the installation height and arrangments	BOQ stands Good

Doc. No.	Sr.No.	Description	Query	Final Closure from Client
	External Electrification- 44	Supply, Installation, testing & commissioning of HT 11 KV, 3 phase, 50 cycles, outdoor type, totally enclosed metal clad switchgear, complete with Vacuum Circuit Breaker of rating upto 630Amp, having rupturing capacity upto 350 MVA, overload and earth fault protection, ammeter, voltmeter with and including Civil foundation as per OEM recommendations, complete all as specified and as directed.	Please provide below clarifications. -Please clarify panels are OEM made or OEM approved System house made? -Any foundation work includes or not? -Can we consider 800A VCB as per Oem standards?	OEM made only allowed, Foundation included, VCB shll be as per BOQ item description