

Corrigendum 3

Title: Development of Interiors for Centre for Railway Research with Civil, Electrical and Networking, HVAC, Fire Fighting and Fire Alarm Works at 5th Floor, Block A, Research Park IIT Madras.

Tender Ref No: CRR/JOHR/109/2023/CRRINTERIORS

Reason for Corrigendum: Extension of bid submission date and Modification In (B) **Scope of Work** in the item 4 and Information regarding approved vendors added at Item 10.

Extension of bid submission date: The due date for the submission of bids has been extended to 02/06/2023 @ 5 PM. The bid opening is 05/06/2023 @ 3 PM

Item wise details are given below:

(B) SCOPE OF WORK (Page no.12)

S. No. 4. The bidder can be an OEM or an authorized dealer (format is given in **Annexure-7**)

to be read as

The materials/equipment to be sourced from authorised dealers/OEMs as applicable. **Annexure 7** is withdrawn.

S .No. 10. List of approved vendors for Electrical /Voice/Data, CCTV System-IP, Fire Alarm System and HVAC Works attached at **annexure 13** to be followed where applicable.

ANNEXURE 13

LIST OF APPROVED MAKES (ELECTRICAL /VOICE/DATA)

Sl. No.	Description	Make
1	Copper Conductor Single Core wire-1100v Grade (Multi Stranded) FRLS	Finolex/ RR Kabel / L&T/ Polycab / KEI / Asmon / MESCAB/ Power flex/Orbit
2	PVC Pipe - 1.8/2.0 mm thick & its accessories	Avonplast / Vasavi / Essorke / Bajaj Plast/ Javeri

3	MS conduit pipes - 1.6mm thick	Gupta / Kalinga
4	GI Pipes	Tata / Jindal / Kalinga
5	Modular type switches, sockets, regulators, RJ-11 & RJ 45 (any model & any colour)	MK / Legrand/ Crabtree / Schneider/ Gold medal /ABB
6	Piano type switches, sockets, regulators	Anchor/ Havells/ Goldmedal
7	MCCB / MCB Distribution Boards & Accessories	Legrand / Hager / Siemens (Germany) / Indo Asian / ABB / Schneider / L&T
8	MCCBs up to 160A-Thermomagnetic Release	Legrand / Hager / Siemens (Germany) / Indo Asian / ABB / Schneider / L&T
9	MCCBs above 160A-Electronic Release/ Microprocessor Release	Legrand / Hager / Siemens (Germany) / Indo Asian / ABB / Schneider / L&T
10	Main Switches (AC 23 rating) SFU / FSU	Legrand / Hager / Siemens (Germany) / Indo Asian / ABB / Schneider / L&T
11	Change Over Switches	Legrand / Hager / Siemens (Germany) / Indo Asian / ABB / Schneider / L&T
12	Motor Starters	L&T / Siemens / BCH/ Crompton /Havells
13	Single Phase/Three Phase kWh meter (Static/ Digital)	Conserve / AEL/ L&T / HPL / Rishab/ ICD
14	MV panels	CPRI approved panel builders
15	Digital Meters (Ammeters / Voltmeters)	ENERCON / IMP / AE / RISHAB/ SECURE / CONSERVE/ICD
16	Selector Switches	RISHAB / VAISHNAV / GE / L&T
17	LED Light fittings	Philips / Crompton / Bajaj/ Surya/ Regents
18	Lamps and accessories	Philips / Osram/ Bajaj / Crompton/ Havells
19	T8 & T5 lamp	Philips/ Crompton/ Bajaj/ Osram
20	Aviation Lamp	Binay / Aviads / Supernova / K-Lite
21	Electronic ballast	Philips / Bajaj/ Crompton/ Osram

22	Call Bell/Buzzer	Anchor / MK
23	ACBs	L&T / GE / Siemens (Germany) / ABB/ Legrand / Schneider
24	LT UG Armored PVC XLPE Power cables & Control Cables - up to 1100 Volt (copper & Aluminium)	Universal / CCI / Gloster / Polycab / KEI / NICCO
25	HTUG Armored PVC XLPE Power cables (11 kV and above- copper or Aluminium)	CCI/ Gloster/ Polycab/KEI
26	Cable Glands, lugs, sockets (copper & aluminium)	Dowells / Cabend / Jainson
27	Current Transformers	Kappa / Scientific / AE/ Pragati / Rishab/ Kalpa
28	Indication Lamp-LED	RAAS / Rishab / L&T / Siemens
29	Contactors	L&T / Siemens/ Legrand / BCH
30	Time Switch	L&T / Legrand/ GE / MK
31	Control fuses & HRC fuses with base	GE / L&T / Siemens / Standard / C&S
32	Geysers	Racold / Bajaj / Venus
33	Inverter /UPS	APC / Numeric / Microtek
34	AC Ceiling fans	Orient PSPO (New Breeze) / Polar / Crompton Greaves/ Havells
35	Super Efficiency BLDC fans	Orient / Crompton Greaves/ Usha/ RR /Havells
36	Exhaust fan (Metal Blade) / Fresh air fan	Khaitan / Almonard / Orient / Crompton Greaves
37	Wall mounting/pedestal mounting fans	Orient PSPO/Rallis / Almonard / Crompton
38	Air Circulator	Almonard / Crompton Greaves / Orient
39	Cable management system	MK / Legrand/ Schneider / OBO
40	PVC Telephone Cable	Delton / Finolex / FSC
41	Jelly filled telephone cables	Delton / Finolex / HCL / NICCO
42	Disconnection Modules (Telephone)	Krone
43	PVC/FRP Telephone Junction Box	Krone / Sintex
44	Optical Fiber Cable and accessories	Molex

45	Telephone instrument	Panasonic
46	Cat6 / Cat6A Cable, I/O and all accessories	Molex
47	Time Switch (PV)	MK/ Legrand/ L&T
48	Rising Main sandwich	GE / C&S / Godrej / Schneider / Legrand/ L&T
49	Casing & Caping	Modi
50	Paint	Nerolac / Asian Paints / Nippon / Berger
51	Street lighting and Decorative fittings	Philips / Crompton/K-Lite
52	Chemical earthing	Recommended by CEA/ CEIG

NOTE The Successful tenderer shall submit test reports for all the materials / equipment. If any make is not in accordance with the tender specification it will not be accepted even if the make is indicated in the above List

LIST OF APPROVED MAKES – (CCTV SYSTEM- IP)

Sl. No.	Description	Make
1	Existing NVR & Accessories including software	Milestone
2	CCTV- Cameras	Bosch Honeywell Pelco Siemens Sony Panasonic
3	Lenses	Bosch Honeywell Pelco Siemens Sony Panasonic
4	Weatherproof Housing	Bosch Honeywell Pelco Siemens Sony Panasonic

5	L2 & L3 Switches	HP Cisco Lanbit
6	LAN Cable/OFC	Molex AMP BELDON SYSTEMAX
7.	Personal Computer	Dell Hewlet Packard IBM Wipro
8.	Color Monitor	LG Panasonic Samsung
9.	Printer	Hewlet Packard Cannon
10.	Mouse	Dell Microtek

LIST OF APPROVED MAKES – (FIRE ALARM SYSTEM)

Instruction to bidders:

Submit catalogues with the offers.

Produce test certificates for equipment/material supplied with bills for certification.

Sl. No.	Description- Make
1	Analog Addressable : Notifier, Siemens, Honeywell, Tyco
	Smoke cum heat Sensor
2	Addressable Heat Detector : Notifier, Siemens, Honeywell, Tyco
3	Short Circuit Isolator : Notifier, Siemens, Honeywell, Tyco
4	Addressable Control Module : Notifier, Siemens, Honeywell, Tyco
5	Addressable Input Module : Notifier, Siemens, Honeywell, Tyco
	Addressable Manual Pull
6	Station / Call point : Notifier, Siemens, Honeywell, Tyco
7	Sounder cum strobe : Notifier, Siemens, Honeywell, Tyco
8	Panic bar : Assaabloy, Europlex, Dorma, SDC, Honeywell, Tyco
9	Panic bar Door Contacts : Sentrol, Ademco, Europlex, Honeywell, SDC, Tyco

10	Cables : Polycab, Varsha
11	Batteries : CSB, Exide

LIST OF APPROVED MAKES – (HVAC WORKS)

Technical Specification for split type Air Conditioner

- Air Conditioners shall be procured and installed through Dealers authorized by OEM.
- Unarmoured cables shall be for connections between outdoor and indoor units shall be one of these makes given in IEI package only.
- Compressors provided shall have minimum five year warranty.
- Air conditioning units shall have rating as per BOQ.
- Condensers shall have copper coils.
- Refrigerant used shall be R410a.

Sl. No.	Description	Make
1	Air Conditioner	Carrier/LG/Samsung/Voltas/Daikin/Hitachi/Blue Star/O-General
2	Air/Water cooled Chiller	Voltas/Kirloskar
3	HVAC Calibration	Magnum/Pesevi