

Corrigendum

Dated 10.07.2024

In tender document

Name of Work:- Supply, Installation, Testing and Commissioning of 15 nos. High Mast Lights at AIIMS Deoghar

Tender ID. :- 2024_AIMDE_813148_1

Tender Reference no.:- 02/EE/AIIMS/Deo/2024-25

As per schedule, Pre-Bid meeting for the work of "Supply, Installation, Testing and Commissioning of 15 nos. High Mast Light" at AIIMS Deoghar was held on 03-07-2024 at 03.00 PM, in the Engineering department at AIIMS Deoghar.

Various agreed suggestions/addition/ deletions are incorporated as received from vendors which are as under

1. Item no. 1 in **Schedule of Quantities** at Page no. 50 (Item no. 1.01 in Financial Bid) of tender document **shall be read as**

"Fabrication, Supply, Erection, Testing and Commissioning of 20 Mtr High Mast with minimum top dia 150mm, **minimum** Bottom dia 410 mm, **minimum** Base Plate 610 mm & minimum PCD 460mm, Polygonal, Tapered, Flange mounted type, Totally Hot Dip Galvanized, hot dip galvanized both internally and externally average coating of galvanization 65 micron and suitable for wind velocity as per IS 875 Part 3. The mast shaft shall be in Two sections with no circumferential weld and shall be stress fitted at site. Supply and installation of accessories for 20 Mtr High Mast which includes head frame(**Latching Head frame system**), raising lowering system, lighting arrestor, steel wire rope, double drum winch, power trailing cable, interconnections /connections, lugs, cable , Integral power tool, suitable size anchor plate, junction box, templates etc , It also includes wiring and cabling of suitable cross section copper conductor from high mast feeder pillar to junction box and junction box to LED fixtures (12 nos) (Cable , wiring , connections and any other required accessories shall be as per recommendation of OEM / OEM design). It shall also include accessories for High Mast like head frame steel wire rope 6 mm dia (7/19 construction) trailing double drum winch hot dip galvanize lantern carriage arrangement suitable for 12 nos. luminaries arrangement symmetrically reversibly type 3 ph single speed motor of 1 HP or more with mechanical tripping facility & GI lighting finial on the head frame separate handle for manual operation of winch with torque limiting device for safe locking of carriage flexible minimum 2.5 sq mm EPR cable for connection hinged service door of size not less than (1200x 250 mm) in base section, base plate earthing terminal. The mast shall have an integral motorize power tool system installed inside the base compartment for its operation. High mast system shall be complete as required.

Instead of

Fabrication, Supply, Erection, Testing and Commissioning of 20 Mtr High Mast with minimum top dia 150mm, Bottom dia 410 mm, Base Plate 610 mm & minimum PCD 460mm, Polygonal, Tapered, Flange mounted type, Totally Hot Dip Galvanized, hot dip galvanized both internally and externally average coating of galvanization 65 micron and suitable for wind velocity as per IS 875 Part 3. The mast shaft shall be in Two sections with no circumferential weld and shall be stress fitted at site. Supply and installation of accessories for 20 Mtr High Mast which includes head frame, raising

lowering system, lighting arrestor, steel wire rope, double drum winch, power trailing cable, interconnections /connections, lugs, cable , Integral power tool, suitable size anchor plate, junction box, templates etc , It also includes wiring and cabling of suitable cross section copper conductor from high mast feeder pillar to junction box and junction box to LED fixtures (12 nos) (Cable , wiring , connections and any other required accessories shall be as per recommendation of OEM / OEM design). It shall also include accessories for High Mast like head frame steel wire rope 6 mm dia (7/19 construction) trailing double drum winch hot dip galvanize lantern carriage arrangement suitable for 12 nos. luminaries arrangement symmetrically reversibly type 3 ph single speed motor of 1 HP or more with mechanical tripping facility & GI lighting finial on the head frame separate handle for manual operation of winch with torque limiting device for safe locking of carriage flexible minimum 2.5 sq mm EPR cable for connection hinged service door of size not less than (1200x 250 mm) in base section, base plate earthing terminal. The mast shall have an integral motorize power tool system installed inside the base compartment for its operation. High mast system shall be complete as required. (300W-LFPI) Fittings. MAKE: - "Crompton/ Wipro/ Philips/Bajaj

2. Item no. 3 in **Schedule of Quantities** at Page no. 51 (Item no. 3 in Financial Bid) of tender document **shall be read as**

"Supply installation testing and commissioning of integral LED Flood light Luminaries for 20 mtr high mast shaft having wattage as per design requirement (300 watt Minimum) with $>_{-} 120$ lumens per watt, color temp. 5700K $+_{-} 300$ K or other color temp to be approved by engineer in charge. luminaries maintenance **L80** at 50,000 hours, **Project Maintenance factor for Lux level should be 0.85** , voltage **120v-270** volts, 50 c/s LED driver efficiency $>_{-} 90\%$ PF $>_{-} 0.95$ surge protection > 10 KA THD $< 10\%$, IP 66 IK(8-10)pressure die-cast aluminum housing with fins for better heat dissipation and heat resistant & toughened glass cover with high power LEDs with secondary lenses for wide angle distribution etc. complete as required. Including wiring of luminaries with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores. Sample of LED fixture will be approved by Engineer-in-charge prior procurement & installation.

Instead of

Supply installation testing and commissioning of integral LED Flood light Luminaries for 20 mtr high mast shaft having wattage as per design requirement (300 watt Minimum) with $>_{-} 110$ lumens per watt color temp. 5700K $+_{-} 300$ K or other color temp to be approved by engineer in charge. luminaries maintenance L 70 at 50,000 hours voltage 110v-270 volts, 50 c/s LED driver efficiency $>_{-} 90\%$ PF $>_{-} 0.95$ surge protection > 10 KA THD $< 10\%$, IP 66 IK(8-10)pressure die-cast aluminum housing with fins for better heat dissipation and heat resistant & toughened glass cover with high power LEDs with secondary lenses for wide angle distribution etc. complete as required. Including wiring of luminaries with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores. Sample of LED fixture will be approved by Engineer-in-charge prior procurement & installation. MAKE: - "Crompton/ Wipro/ Philips/Bajaj"

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3. Item no. 2 in **Schedule of Quantities** at Page no. 50 (Item no. 2 in Financial Bid) of tender document **shall be read as**

Supply and fixing of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template. Foundation bolts for base flange thickness not less than 25 mm, minimum number of bolts 10 nos. M 30 dia x 850 length (PCD 490) and suitable size anchor plate of minimum thickness 8 mm or more and also as per the recommendation of OEM, OEM design and approved by Engineer In charge

Instead of

Supply and fixing of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template. Foundation bolts top dia not less than 150mm base dia not less than 410 mm no. mm sec. over lapping 1.5 times the diameter at penetration , sheet thickness not less than 3 mm . base flange thickness not less than 25 mm minimum number of bolts 8 nos. M 30 dia x 850 length PCD 490 and suitable size anchor plate of minimum thickness 8 mm or more and also as per the recommendation of OEM, OEM design.

4. Following points are added as **serial no. 7 to 10** in **Special terms and conditions** at Page 40.

7. Performance Guarantee and Security deposit

PBG shall be released after completion of free warranty period of 24 months. PBG shall be valid for additional two months after completion of free warranty period of 24 months.

Security deposit shall be released after completion of free warranty and CAMC period of 5 years (i.e 2+3 years)

8. Lux level

The LED should have minimum lumen level of 20 lux in the ground and upto a distance of 60 Mtrs from centre of High Mast Pole. Successful bidder has to provide Lux level test report for all 15 nos High mast light having comparison as per design and as actual Lux level on field.

9. Project Maintenance factor for Lux level should be 0.85

10. Successful bidder has to provide LM-79 & LM-80 report for LED fitting for approval and prior installation.

11. LED light fixture manufacturer should have NABL test facility for LED fixtures.

5. **Quantity** in Item at serial no. 11 on page no. 53 of tender document **shall be read as 15 nos. instead of 5 nos.**

6. List of approved materials (Civil / Electrical) from Page 46 to Page 49, shall be read as

LIST OF APPROVED MATERIALS/VENDORS (CIVIL/ELECTRICAL)

Note :

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
3. Whenever the specified brand of material is not available than, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

	MATERIAL/ITEM	BRAND/MAKE/VENDOR
1	AAC Block	Aerocon, Siporex, Ultratech, Ecolite, Concrelite, J.K. Laxmi (Cement Ltd.), BILTECH, Kansal, Dilite Blocks
2	AAC Block Adhesive	Ferrous crete(Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixed-Block)
3	Acrylic Distemper, Emulsion, Synthetic Enamel Paint and Primer.	Asian Paints, ICI Dulux, Berger, Nerolac
4	Epoxy Adhesive	FOSROC, Aquomix , Choksey, BAL-ENDURA,MYK Laticrete
5	Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro bond, Alstrong
6	Aluminium Extrusions	Hindalco, Indalco, Jindal
7	Aluminum Sections	Jindal, Hindalco, Indalco
8	Annealed Float Glass	Saint Gobain, Modi Guard, Asahi
9	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
10	Calcium Silicate Board / Tiles	Aerolite, Hilux, Starpan
11	CC Pavers / Grass Pavers	Nitco, Hindustan, Ultra, KJS Concrete, Duracrete, Mehtab Tiles, Kaptim
12	Centrifugally Cast Iron Pipe & Fittings	NECO, SKF, BIC, RIF, KAPILANSH, HIF
13	Ceramic Tiles	Kajaria, Nitco, Orient Bell, Johnson, RAK Ceramics
14	Chequered / Tactile Tiles	Dura, Eurocon, Modern, Hindistan, Johnson, Eavison
15	CI Manhole Cover	BIC, SKF, NICO, Hepco, Kapilansh, RIF
16	CI Double flanged non-return valves	Kirloskar, Sant, Kartar
17	CP fittings	Jaquar, Marc, Kohler, Grohe
18	CPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex,VECTUS
19	Curtain Carrier / Drapery Rod	Marvel, Vista levlor, Johnson.
20	Dash fastener, Expansion Bolt	Hilti, Bosch Fischer
21	Hydraulic Door closer, Floor springs	Dorma, Hettich, Hafele, Geze
22	Ductile Iron Pipe (Water Supply)	Electro steel, Kesso, KDUPL, Electro Spun
23	EPDM Gasket	Hanu, Anand, Lescuyer
24	GRC / Tactile Tile	Unistone, Eurocon, Dazzle
25	Epoxy Grouting Compound	Pidilite, Ferrous Crete(Ferro-102), MYK LATICRETE, Fosrock
26	Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Fosrock
27	Fire Check door	Navair, Godrej, Shakti
28	Float Glass Mirror	Modifloat, Saint Gobain, Asahi
29	Flush Doors (ISI Mark only)	Century, Kitlam, Archid, Greenply, Marino, Duro, Gujcon
30	Friction Stay	Earl-Bihari, Geze, Hettich, Securistyle
31	Galvanized/Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
32	GI Pipe & fittings	Tata, Zenith, Jindal, Prakash Surya, Swastik; (ISI Marked only)
33	GI Sheet	Sail, TATA, Jindal or equivalent
34	Gun Metal Gate Valve	Zoloto, Leader, SANT, Prima
35	Glass Mosaic Tile	Bisazza, Italia, Palladio, Mridul
36	Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, St. Gobain
37	Hardener	Hardcrete of Snowcem India, Pidilite, CICO.
38	HDPE Pipes	VECTUS, Emco, Polyfins, Pioneer, Plyfab
39	Jet Assembly for EWC/Health Faucet	Parryware , Jaquar, Marc, PRIMA(ISI)
40	Kitchen loft tank	Sintex, Tirupati Structurals Ltd, KMS Plast world P.Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel InC.
41	Laminate and Veneers	Merino, Greenlam, Kitlam, Duro
42	Locks / Latch	Godrej, Harrision, Dorma, Doorset (ISI)

43	Marine Plywood / BWP Ply	Duro, Century, Greenlam
44	Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Burger
45	Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone
46	Mineral Fibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
47	M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash Surya
48	M.S. Tubes	Tata, Apollo, Prakash Surya
49	Multicoat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, Ultratech
50	Plywood, Block Board, wooden panel	Greenply, Century, Duro, Armstrong, saint gobbin, usg boral, gyptech
51	Polycarbonate Sheet	Danpalon (DPI), Bayer, Macrolux
52	Polysulphide / Silicon Sealent	Pidilite, Fosroc, Tuffseal, Chouksey Chemicals, Perma, BASF
53	POP (Plaster of paris)	JK, Laxmi, Sriram Nirman, Sakarni
54	PPR Pipes	SFMC, SAFE, Poiner Industries
55	Precast CC interlocking Tiles	Hindustan, Paver India, KK
56	Precoatd Profile Sheet	Tata, Bhushan or equivalent
57	Pre-laminated Particle Board	Ecoboard, Action-Tesa, Duro, Century Ply, Greenlam, Albihari
58	Pressed steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi.
59	PTMT Fittings	Prayag, Polytuf, Pearl, Millennium, PRIMA
60	PVC Cistern	Steelbird, Jindal, Seabird, Prayag, Commander
61	PVC Connection Pipe	Supreme, Prince, Finolux
62	PVC Rain Water Pipe & Fitting	Finolax, Kisan, Kasta, Supreme, Astral, Prince
63	Ready Mix Concrete (RMC)	Lafarge, Alchon, ACC, L&T, Grasim, Ultratech, RMC India
64	Ready Mix plaster	Ultratech, Precisecon Chem, Perma, Ferrous Crete, JK, Fosrock,
65	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
66	PVC Water storage Tank (Only ISI)	VECTUS, Water well, Plasto, Polycon, Sintex. (Weight as per ISI)
67	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zolto
68	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
69	Stainless Steel	Jindal, Salem or equivalent
70	Stainless steel Sink with or without Draining board.	Nirali, Hindware, Frankee, Neelkanth, Jaquar
71	Stainless steel Door/Window fittings & Fixtures	Dorma, Ozone, D-Line, Hettich, Kich, Geze
72	Structural steel section	TATA, SAIL, RINL, Jindal
73	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF
74	Tensile Fabric	Bluestone, Encon, Structure Flex
75	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Somany
76	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kolher, Grohe
77	Tubular steel Window, ventilator, Door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
78	UPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolux,VECTUS
79	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C.Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kolher, Grohe
80	Vitrified Tile	Johnson -Marbonite, Somany, Kajaria, Orient Bell, NITCO, RAK
81	Wall Putty	JK, BIRLA, SARAPUTTY
82	Waste Pipe	Kamal, Viking, Jaquar
83	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo
84	White Cement	JK White, Birla White, Grasim
85	Vinyl flooring	Armstrong, Gerfloor, Tarkett
86	Variable Frequency Drive	ABB / Siemens / Fuji / Danfoss
87	AHU/ TFA	Citizen / Zeco / VTS / Flaktwood / Systemair / Edgetech
88	Plug Fan	Nicotra Gebhardt / Kruger/ Ziehl-abegg /Greenheck / Flaktwood
89	Motor (IE-3) for AHU Fan	ABB / Siemens / Crompton
90	Filters	Thermadyne / Freudenberg / Camfil Farr / AAF
91	VRV /VRF System	DAIKIN / CARRIER/ TOSHIBA/ MITSUBISHI / HITACHI / OGENERAL
92	Refrigerant Copper Piping	Maxflo / Rajko / Modern
93	GSS/GI Sheet	SAIL / Jindal / TATA
94	Grilles / dampers / diffusers / Louvers / VCD / Fire damper / Motorised Damper	Ruskin/ Caryaire / Systemair / Cynore / Dynamic Equipments / Airflow / Pineair
95	Fire Damper Actuator	Belimo / Siemens / Honeywell

96	Nitrile Insulation	Armaceil / Aflex / Supreme
97	Magnehelic gauge	Dwyer or equivalent
98	Duct Heater	Daspass / KEPL / Equivalent
99	Electrical Panels / Switch gears / Switch Socket / DB	L&T/ ABB/ Schneider/ Siemens/ Legrand/ Tricolite/ Adlec Munka/ Advance / CWS Electrotech / Application control / Neptune. (CPRI approved)
100	LED Light Fixture	Bajaj/Philips/Wipro/Crompton/ Havells / Orient / Syska
101	Current Transformer	AE/Pragati/Gilbert & Maxwell/Matrix/Rishabh/Kappa
102	Electronic Digital Meter	Enercon System Pvt. Ltd. / CG Schlumberger / L&T / Rishabh
103	Moulded Case Circuit Breaker (MCCB)	Schneider (NSX) / L&T (D Sine) / Siemens (3VL) / ABB (Tmax) / Legrand
104	Miniature Circuit Breakers (MCB).	Schneider / L&T / Siemens / ABB / Legrand/Havells
105	Residual Current Circuit Breaker (RCCB)	Schneider / L&T / Siemens / ABB / Legrand/ Havells
106	Power/Aux. Contactor	Schneider / L&T / Siemens / ABB / Legrand/ Havells
107	Change Over Switch	Schneider / L&T / Siemens / ABB / Legrand/ Havells
108	Meters including Digital Meters	L&T/ Socomec/ Schneider/ Secure/ Siemens/ ABB / Rishabh
109	Protection Relay	Areva/Siemens/L&T/Schneider
110	Indication lamp and push button	GE/L&T/Siemens/Schneider
111	Selector Switch	Siemens/ L&T/ Schneider/ABB
112	Single Phase Preventer	L&T/Minilec/Schneider/ABB
113	LT Cables / Wire	Havells/ Finolex/ KEI/ Polycab/ RRKabel/Grandlay
114	Bimetallic Cable Lug	Dowell/Comet/Jainson
115	Cable Glands Double Compression.	Dowell/Comet/Jainson
116	DLP PVC Trunking	Legrand/ Havells and equivalent.
117	Toughened glass	Float Glass India Ltd/Modiguard/Saint Gobain
118	Glass wool	UP Twiga, LLOYD INDIA LTD, ROCKWOOLINDIA
119	LED Flood Light	Bajaj/Philips/Wipro/Crompton/ Havells / Orient / Syska
120	High Mast Pole	Bajaj / Valmont/Transrail/ Philips/Wipro/Crompton
121	MCCB	Schneider / L&T / ABB / C& S Electric
122	Relays	AVK-SEGC / ABB / L&T /Schneider / C& S Electric
123	Power contactors	L&T / ABB / SCHNEIDER / C& S Electric
124	Instrument transformers	Kappa / Kalpa / Instrans /Voltamp
125	Meters	Trinity Energy / L&T/ AE/Elmeasure
126	MCB / MCB DB	Legrand / Schneider / C& S Electric / L&T / ABB
127	ELCB / ELMCB / RCBO	Legrand / Schneider / Havells / L&T / ABB
128	LT Cable	Poly Cab / Havells /KEI / Rallison
129	End Termination Materials	Dowels / SMI / Wago
130	MS Powder coated Cable Tray	As per panel fabricator
131	PVC Wires& Flexible Cables (FRLS)	Poly Cab / Havells /KEI / RR Kabel
132	Industrial sockets	Legrand / L&T / ABB
133	Glands - Single / Double Compression	Dowells / Comet / Jainson
134	Aluminium / Copper Lugs	Dowells / Comet / Jainson
135	Aviation Light	Bajaj / eq.
136	Surge Arrestors	L&T / ABB / OBO Betterman

NOTE: If any of the above approved vendors' materials are unavailable or if alternative makes of materials are proposed to be used, the same must be approved by the engineer-in charge prior to supply and installation. The sample material/ item with respective catalogues/ brochures/ technical specifications and prices with discounts should be submitted well in time for approval.

Instead of

LIST OF APPROVED MATERIALS (CIVIL/ELECTRICAL)

Note :

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.

2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
3. Whenever the specified brand of material is not available than, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

MATERIALS:		BRAND/MAKE
1	AAC Block	Aerocon, Siporex, Ultratech, Ecolite, Concrelite, J.K. Laxmi (Cement Ltd.), BILTECH, Kansal, Dilite Blocks
2	AAC Block Adhesive	Ferrous crete(Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixed-Block)
3	Acrylic Distemper, Emulsion, Synthetic Enamel Paint and Primer.	Asian Paints, ICI Dulux, Berger, Nerolac
4	Epoxy Adhesive	FOSROC, Aquomix , Choksey, BAL-ENDURA,MYK Laticrete
5	Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro bond, Alstrong
6	Aluminium Extrusions	Hindalco, Indalco, Jindal
7	Aluminum Sections	Jindal, Hindalco, Indalco
8	Annealed Float Glass	Saint Gobain, Modi Guard, Asahi
9	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
10	Calcium Silicate Board / Tiles	Aerolite, Hilux, Starpan
11	CC Pavers / Grass Pavers	Nitco, Hindustan, Ultra, KJS Concrete, Duracrete, Mehtab Tiles, Kaptim
12	Centrifugally Cast Iron Pipe & Fittings	NECO, SKF, BIC, RIF, KAPILANSH, HIF
13	Ceramic Tiles	Kajaria, Nitco, Orient Bell, Johnson, RAK Ceramics
14	Chequered / Tactile Tiles	Dura, Eurocon, Modern, Hindistan, Johnson, Eavison
15	CI Manhole Cover	BIC, SKF, NICO, Hepco, Kapilansh, RIF
16	CI Double flanged non-return valves	Kirloskar, Sant, Kartar
17	CP fittings	Jaquar, Marc, Kohler, Grohe
18	CPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS
19	Curtain Carrier / Drapery Rod	Marvel, Vista levlor, Johnson.
20	Dash fastener, Expansion Bolt	Hilti, Bosch Fischer
21	Hydraulic Door closer, Floor springs	Dorma, Hettich, Hafele, Geze
22	Ductile Iron Pipe (Water Supply)	Electro steel, Kesso, KDUPL, Electro Spun
23	EPDM Gasket	Hanu, Anand, Lescuyer
24	GRC / Tactile Tile	Unistone, Eurocon, Dazzle
25	Epoxy Grouting Compound	Pidilite, Ferrous Crete(Ferro-102), MYK LATICRETE, Fosrock
26	Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Fosrock
27	Fire Check door	Navair, Godrej, Shakti
28	Float Glass Mirror	Modifloat, Saint Gobain, Asahi
29	Flush Doors (ISI Mark only)	Century, Kitlam, Archid, Greenply, Marino, Duro, Gujcon
30	Friction Stay	Earl-Bihari, Geze, Hettich, Securistyle
31	Galvanized/Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
32	GI Pipe & fittings	Tata, Zenith, Jindal, Prakash Surya, Swastik; (ISI Marked only)
33	GI Sheet	Sail, TATA, Jindal or equivalent
34	Gun Metal Gate Valve	Zoloto, Leader, SANT, Prima
35	Glass Mosaic Tile	Bisazza, Italia, Palladio, Mridul
36	Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, St. Gobain
37	Hardener	Hardcrete of Snowcem India, Pidilite, CICO.
38	HDPE Pipes	VECTUS, Emco, Polyfins, Pioneer, Plyfab
39	Jet Assembly for EWC/Health Faucet	Parryware , Jaquar, Marc, PRIMA(ISI)

40	Kitchen loft tank	Sintex, Tirupati Structural Ltd, KMS Plast world P.Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel InC.
41	Laminate and Veneers	Merino, Greenlam, Kitlam, Duro
42	Locks / Latch	Godrej, Harrision, Dorma, Doorset (ISI)
43	Marine Plywood / BWP Ply	Duro, Century, Greenlam
44	Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Burger
45	Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone
46	Mineral Fibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
47	M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash Surya
48	M.S. Tubes	Tata, Apollo, Prakash Surya
49	Multicoat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, Ultratech
50	Plywood, Block Board, wooden panel	Greenply, Century, Duro, Armstrong, saint gobbin, usg boral, gypotech
51	Polycarbonate Sheet	Danpalon (DPI), Bayer, Macrolux
52	Polysulphide / Silicon Sealant	Pidilite, Fosroc, Tuffseal, Chouksey Chemicals, Perma, BASF
53	POP (Plaster of paris)	JK, Laxmi, Sriram Nirman, Sakarni
54	PPR Pipes	SFMC, SAFE, Poineer Industries
55	Precast CC interlocking Tiles	Hindustan, Paver India, KK
56	Precoatd Profile Sheet	Tata, Bhushan or equivalent
57	Pre-laminated Particle Board	Ecoboard, Action-Tesa, Duro, Century Ply, Greenlam, Albihari
58	Pressed steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi.
59	PTMT Fittings	Prayag, Polytuf, Pearl, Millennium, PRIMA
60	PVC Cistern	Steelbird, Jindal, Seabird, Prayag, Commander
61	PVC Connection Pipe	Supreme, Prince, Finolex
62	PVC Rain Water Pipe & Fitting	Finolax, Kisan, Kasta, Supreme, Astral, Prince
63	Ready Mix Concrete (RMC)	Lafarge, Alchon, ACC, L&T, Grasim, Ultratech, RMC India
64	Ready Mix plaster	Ultratech, Precisecon Chem, Perma, Ferrous Crete, JK, Fosrock,
65	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
66	PVC Water storage Tank (Only ISI)	VECTUS, Water well, Plasto, Polycon, Sintex. (Weight as per ISI)
67	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zolto
68	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
69	Stainless Steel	Jindal, Salem or equivalent
70	Stainless steel Sink with or without Draining board.	Nirali, Hindware, Frankee, Neelkanth, Jaquar
71	Stainless steel Door/Window fittings & Fixtures	Dorma, Ozone, D-Line, Hettich, Kich, Geze
72	Structural steel section	TATA, SAIL, RINL, Jindal
73	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF
74	Tensile Fabric	Bluestone, Encon, Structure Flex
75	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Somany
76	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kolher, Grohe
77	Tubular steel Window, ventilator, Door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
78	UPVC Pipes & Fittings	Astral Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS
79	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C.Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kolher, Grohe
80	Vitrified Tile	Johnson -Marbonite, Somany, Kajaria, Orient Bell, NITCO, RAK

81	Wall Putty	JK, BIRLA, SARAPUTTY
82	Waste Pipe	Kamal, Viking, Jaguar
83	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo
84	White Cement	JK White, Birla White, Grasim
85	Vinyl flooring	Armstrong, Gerfloor, Tarkett
86	Variable Frequency Drive	ABB / Siemens / Fuji / Danfoss
87	AHU/ TFA	Citizen / Zeco / VTS / Flaktwood / Systemair / Edgetech
88	Plug Fan	Nicotra Gebhardt / Kruger/ Ziehl-abegg /Greenheck / Flaktwood
89	Motor (IE-3) for AHU Fan	ABB / Siemens / Crompton
90	Filters	Thermadyne / Freudenberg / Camfil Farr / AAF
91	VRV /VRF System	DAIKIN / CARRIER/ TOSHIBA/ MITSUBISHI / HITACHI / OGENERAL
92	Refrigerant Copper Piping	Maxflo / Rajko / Modern
93	GSS/GI Sheet	SAIL / Jindal / TATA
94	Grilles / dampers / diffusers / Louvers / VCD / Fire damper / Motorised Damper	Ruskin/ Caryaire / Systemair / Cynore / Dynamic Equipments / Airflow / Pineair
95	Fire Damper Actuator	Belimo / Siemens / Honeywell
96	Nitrile Insulation	Armacell / Aflex / Supreme
97	Magnehelic gauge	Dwyer or equivalent
98	Duct Heater	Daspass / KEPL / Equivalent
99	Electrical Panels / Switch gears / Switch Socket / DB	L&T/ ABB/ Schneider/ Siemens/ Legrand/ Tricolite/ Adlec Mundka/ Advance / Equivalent
100	LED Light Fixture	Philips / Crompton / Havells / Orient / Bajaj / Syska
101	Current Transformer	AE/Pragati/Gilbert & Maxwell/Matrix/Rishabh/Kappa
102	Electronic Digital Meter	Enercon System Pvt. Ltd. / CG Schlumberger / L&T / Rishabh
103	Moulded Case Circuit Breaker (MCCB)	Schneider (NSX) / L&T (D Sine) / Siemens (3VL) / ABB (Tmax) / Legrand
104	Miniature Circuit Breakers (MCB).	Schneider / L&T / Siemens / ABB / Legrand/Havells
105	Residual Current Circuit Breaker (RCCB)	Schneider / L&T / Siemens / ABB / Legrand/ Havells
106	Power/Aux. Contactor	Schneider / L&T / Siemens / ABB / Legrand/ Havells
107	Change Over Switch	Schneider / L&T / Siemens / ABB / Legrand/ Havells
108	Meters including Digital Meters	L&T/ Socomec/ Schneider/ Secure/ Siemens/ ABB / Rishabh
109	Protection Relay	Areva/Siemens/L&T/Schneider
110	Indication lamp and push button	GE/L&T/Siemens/Schneider
111	Selector Switch	Siemens/ L&T/ Schneider/ABB
112	Single Phase Preventer	L&T/Minilec/Schneider/ABB
113	LT Cables / Wire	Havells/ Finolex/ KEI/ Polycab/ RRRKabel/Grandlay
114	Bimetallic Cable Lug	Dowell/Comet/Jainson
115	Cable Glands Double Compression.	Dowell/Comet/Jainson
116	DLP PVC Trunking	Legrand/ Havells and equivalent.
117	Toughened glass	Float Glass India Ltd/Modiguard/Saint Gobain
118	Glass wool	UP Twiga, LLOYD INDIA LTD, ROCKWOOLINDIA

LIST OF APPROVED VENDORS / MANUFACTURERS

Sl. No.	ITEM DESCRIPTION	MAKE
1	LED Flood Light	Bajaj/Philips/Wipro/Crompton
2	High Mast Pole	Bajaj / Valmont/Transrail

3	MCCB	Schneider / L&T / ABB / C& S Electric
4	Panel Manufacturers	CWS Electrotech / Application control / Neptune
5	Relays	AVK-SEGC / ABB / L&T/Schneider / C& S Electric
6	Power contactors	L&T / ABB / SCHNEIDER / C& S Electric
7	Instrument transformers	Kappa / Kalpa / Instrans /Voltamp
8	Meters	Trinity Energy / L&T/ AE/Elmeasure
9	Panel accessories / terminal block	As per the manufacturer specified make
10	MCB / MCB DB	Legrand / Schneider / C& S Electric / L&T / ABB
11	ELCB / ELMCB / RCBO	Legrand / Schneider / Havells / L&T / ABB
12	LT Cable	Poly Cab / Havells /KEI / Rallison
13	End Termination Materials	Dowels / SMI / Wago
14	MS Powder coated Cable Tray	As per panel fabricator
15	PVC Wires& Flexible Cables (FRLS)	Poly Cab / Havells /KEI / Rallison
16	Industrial sockets	Legrand / L&T / ABB
17	Glands - Single / Double Compression	Dowells / Comet / Jainson
18	Aluminium / Copper Lugs	Dowells / Comet / Jainson
19	Aviation Light	Bajaj / eq.
20	Surge Arrestors	L&T / ABB / OBO Betterman

NOTE: If any of the above approved vendors' materials are unavailable or if alternative makes of materials are proposed to be used, the same must be approved by the engineer-in charge prior to supply and installation. The sample material/ item with respective catalogues/ brochures/ technical specifications and prices with discounts should be submitted well in time for approval.

7. Date and Time for bid submission and bid opening has been extended as per details mentioned below:-

Last Date of Bid Submission : 23-07-2024 on 03:00 PM
Bid Opening : 24-07-2024 on 03:00 PM

This corrigendum shall be signed by bidders and shall be uploaded along with bid documents.