

**ANNEXURE-B****Corrigendum -Tender Reference: - CDACP/LB-ABAC-PH1/23-24/400**

SR no	Reference/Clause/Page	Tender Clause/ Description	Corrigendum
1	Eligibility Criteria - Clause No.10	<p>Work Experience: Bidder should have the experience of One similar completed work costing not less than the amount equal to Rs.60 Crore during last 5 years ending last day of month previous to the one in which tenders are invited.</p> <p>Similar works mean: “Similar work” refers to a work involving Successfully completed “School/Educational Institute/R&amp;D/Academic RCC framed structure building with internal and external development works, Horticulture, Electrical, Substation, Water supply, Sanitary, HVAC, Firefighting, Furniture etc. in any Central / State Govt. Departments / Central PSUs/ State PSU/ Central Autonomous bodies/ State Autonomous bodies/ City Development Authority/Municipal Corporation of City formed under any act by Central/State Government and published in Central/State Gazette. The bidder shall submit Completion Certificate(s) mentioning name, nature of work(s), value(s) of the job(s), date(s) of commencement, stipulated date(s) of completion and actual</p>	<p>Work Experience: Bidder should have the experience of One similar completed work costing not less than the amount equal to Rs.60 Crore during last 5 years ending last day of month previous to the one in which tenders are invited.</p> <p>Similar works mean: “Similar work” refers to a work involving Successfully completed “School/Educational Institute/R&amp;D/Academic RCC framed structure building with internal and external development works, Horticulture, Electrical, Substation, Water supply, Sanitary, HVAC, Firefighting, etc. in any Central / State Govt. Departments / Central PSUs/ State PSU/ Central Autonomous bodies/ State Autonomous bodies/ City Development Authority/Municipal Corporation of City formed under any act by Central/State Government and published in Central/State Gazette. The bidder shall submit Completion Certificate(s) mentioning name, nature of work(s), value(s) of the job(s), date(s) of commencement, stipulated date(s) of completion and actual date(s) of completion duly</p>

		<p>date(s) of completion duly certified by officer of level of Executive Engineer or higher level or equivalent along-with LOI(s)/W.O(s) from respective Owner(s)/Client(s).</p> <p>The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum calculated from the date of completion to last date of receipt of applications for tenders.</p>	<p>certified by officer of level of Executive Engineer or higher level or equivalent along-with LOI(s)/W.O(s) from respective Owner(s)/Client(s).</p> <p>The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum calculated from the date of completion to last date of receipt of applications for tenders.</p>
2	Eligibility Criteria - Clause No.11	<p>The Bidder must have completed construction of at least any one Educational/Academic/ Administrative/R&amp;D building with GRIHA/SVAGRIHA Three-Star or more Complied and certified during last 5 years ending last day of tender submission</p>	<p>The Bidder must have completed construction of at least any one Educational/Academic/ Administrative/R&amp;D building with GRIHA/SVAGRIHA Three-Star or more Complied and certified during last 7 years ending last day of tender submission</p>

3	Instructions to bidder cl 06 pg no 18	Sr. No.	Range of Difference between the estimated Cost put to tender and Bid Amount	Additional Performanc e Security to be deposited by the successful bidder.	Sr. No.	Range of Difference between the estimated Cost put to tender and Bid Amount	Additional Performanc e Security to be deposited by the successful bidder.
		1.	Below 5%	No Additional Performanc e Security	1.	Up to (-) 5% of Estimate	No Additional Performanc e Security
		2.	Below 5% and above & Below 10%	50% of (difference between estimated cost put to tender and Bid Amount)	2.	From (-)5% up to (-)10% of Estimate	50% of (difference between estimated cost put to tender and Bid Amount)
		3.	From 10% and above	150% of (difference between estimated cost put to tender and Bid Amount)	3.	Below (-) 10% of Estimate	150% of (difference between estimated cost put to tender and Bid Amount)

## Additional Make List

### **CIVIL WORKS**

NAME OF ITEM	MAKE APPROVED
Ready Mix Concrete	From the RMC Plant of JK, ACC, LAFARGE, ULTRATECH, JAYPEE, SHREE, AMBUJA or Equivalent as approved by CDAC
WHITE CEMENT	JK, BIRLA, ACC, JAYPEE, AMBUJA
PLY / BOARD / MDF	DURO, MERINO, GREEN PLY, AGNI , KITPLY, CENTURY
LOCK/BRASS FITTING	DORSET, DORMA, OZONE, GODREJ, HAFELE,PAG
WALL PUTTY	JK, BIRLA, ACRO, BERGER
STRUCTURAL STEEL/TUBULAR TRUSS	TATA , SAIL, RINL, JINDAL, APL APOLLO
POWDER COATING	AKZONOBEL, ASIAN
EPOXY PAINT/ WATER PROOFING WORKS	FIBREX/BASF/ SIKA/FOSROC
GLASS / MIRROR	ASAHI, SAINT GOBAIN, PILKINGTON, MODI GUARD
GRID FALSE CEILING & WALL PARTITION	ARMSTRONG, DEXUNE, NEW AGE, HUNTER DOUGLAS, SAINT GOBAIN
GYPSUM WALL PARTITION/CEILING	BORAL, INDIA GYPSUM, GYPROC, SAINT GOBAIN
FLUSH DOOR	DURO, CENTURY, MERINO, ARCHIDPLY, AGNI
DOOR FITTINGS & FIXTURES	DORMA, OZONE, DORSET, EBCO, HAFELE,PAG
GLASS/SS HANDRAIL	DORMA, OZONE, DORSET,PAG
XPS INSULATION	OWENS CORNING
GLASS PROCESSING	GOLDPLUS, GSC,SAINTGOBAIN,ASAHI INDIA
VENEER/LAMINATE	MERINO, CENTURY, AGNI, DURO, GREEN,ARCHIDPLY
SIGNAGES	3M, XENON OR EQUIVALENT
Upvc Doors and Window	FENESTA, VEKA ,DECEUNINCK, ALUPLAST, AIS,VENTINO
PAVER BLOCK/KERB STONE of M30 Grade and 60 mm thick	NITCO,UNITILE, NIMCO OR EQUIVALENT
FIRE RETARDANT PAINT	NULLIFIER/SIGNUM/GODREJ/NIPPON/ CARBOLINE
FIREDOOR	SUKRI, NAVAIR, DORMA,SAINT GOBAIN,MATRIX
FIRE RATED GLASS	SCHOTT (GERMANY) AND EQUIVALENT, SAINT GOBAIN,PILKINTON,TROSCH,TGP
STAINLESS STEEL ( GRADE 304) & (316) RAILING MADE OF HOLLOW TUBES, CHANNELS, PLATES ETC	JINDAL, TATA, MONNET
ACP	ALUTUFF,ALUCOBOND, ALSTRONG, ALUDECOR
REINFORCEMENT COUPLER	SNTP, DEXTRA, MOMENT, LENTON
EXPANSION JOINT	KOHINOOR ENTERPRISES, MIGUA, CS

<b>NAME OF ITEM</b>	<b>MAKE APPROVED</b>
GLASS FIBER REINFORCEMENT CONCRETE	DALAL TILES, SHENISHA, BIRLA
VERTICAL BLINDS	VISTA, MAC, HUNTER DOUGLAS OR EQUIVALENT
DGU GLASS	SAINT GOBAIN/GUARDIAN GLASS/MODIGUARD/ ASAHI INDIA

### **ELECTRICAL WORKS**

<b>ITEM</b>	<b>MAKE APPROVED</b>
Air Circuit Breaker	Schneider - Masterpact NW (6.0P)/L&T - U Power Omega (MTX3.5)/ Legrand - DMX3 MP4 LSIG/ABB
HT VCB	ABB/ Schneider/ Siemens
Digital meters	El Measure / L&T/ Conserve/ Trinity / Neptune Ducati
Contactors, Timers	Schneider/ ABB/ L & T/ Legrand/ Siemens
Voltmeter & Ammeter	Conzerve/ Enersol/ HPL/SECURE
Selector Switch	ABB/ L & T/Legrand
Protective Relays	ABB/ L & T /Siemens/Schneider / GE
Multi functional meter	L&T/ Legrend/ Conzerv
APFC Relay (Microprocessor based)	Syntron/ Enercon/ L & T/ Ducati/ Schneider
Batteries	Exide/Amar Raja/HBL
Battery Charger	Uptron/Voltstat Electronics
Cable Lug (Tinned Copper)	Dowells/ Multi/Capital/Comet
Cable Gland	Peeco/ Commet/ Gripwell/ Power
Emergency Lighting/Signage	Prolite/Autoglo/Acculite
Fire Extinguishers	Minimax/Newage/ Cease Fire/ Safex
Energy Analyzer Meter	Conzerve/Elemasure/Enersol
Distribution Boards with Miniature Circuit Breakers, RCCB	Schneider - Acti9/Legrand Ekinox3/Siemens Beta Guard 10KA
Telephone Tag Block	Krone/ TVS R&M
PVC Conduit	BEC/AKG/Polycab/ RMCON
M.S. Conduit	BEC/AKG / RMCON/ JINDAL/Polycab
Modular Switches & Sockets	Legrand-Lyncus/MK-Blenze/Clipal-X
TV/Telephone outlet	Siemens/Legrand/ D link/polycab
Light Fixture	Philips/Trilux/Regent/ Wipro/ Crompton/GE
Lamps	Philips/Trilux/Regent/ Wipro/ Crompton/GE
Fascade light	PUKitaly, futura, ligmanindia, PHILIPS, Wipro, Crompton
RCC Hume Pipe for Electrical Works	ISI Marked of Reputed Company
PLC	Siemens/Allen Bradley/HONEY WELL/JCI
Public Address System	Honeywell/ Bosch/Tyco/Edwards
D.G. Set (Engine)	Cummins/Catterpillar/Stamford/Kirloskar/Perkin
D.G. Set (Alternator)	Stamford/ Kirloskar green/LerroySommer
D.G. Accoustic Enclosure	Jakson/Sterling/CatterPiller/Sudhir
H.T. Panel	ABB/ Schneider/Siemens

<b>ITEM</b>	<b>MAKE APPROVED</b>
H.T. Termination Kit	Raychem/Denson
Lighting Protection	Den/ OBO / Cape/ABB
Earthing	Den/ OBO / Cape
Wireless Access Point	Alcatel/Aruba/Indio Networks
WAP Controller	Alcatel/Aruba/Indio Networks
IP EPABX	NEC/Alcatel/Matrix
IP Phone	NEC/Alcatel/Matrix
24 Port Networking Switch	Cisco/Alcatel/Extreme/Indio Networks
24 Port PoE Networking Switch	Cisco/Alcatel/Extreme/Indio Networks
FACE PLATE for IO	Legrand/Systimax/Panduit
PVC Trunking	Finolex/Polycab/Atul/AKG/Legrand
Networking Switches	Netgear / TP-Link / Cisco
Digital Signal Processor	ClockAudio/Solvision/Audio Technica
Chairman Unit	ClockAudio/Solvision/Audio Technica
Delegate Unit	ClockAudio/Solvision/Audio Technica
Digital Signal Processor	Solvision/Xilica/Biamp
Ceiling Speaker	Amate Audio/WorkPro/TW Audio/BOSCH
Amplifier	Amate Audio/WorkPro/TW Audio/BOSCH
Control Processor	AMX/Aurora/Extron
Speaker Cable	Krystals/Kramer/Tasker
Projector	Panasonic/Christie/Barco/EPSON
Motorized Screen	Draper/Dalite/Ordain
Projector Mount Kit	Logic/Custom/Ordain
Recording & Streaming Device	Arec/Mediapoint/Sinew
Touch Panel	Viewsonic/Acer/Ordain
Digital Podium	AHA/Ordain/Tcomm
Microphone	Shure/Sennheiser/Beyerdynamic/BOSCH
Gas Suppression system	Honeywell/ Komtes/ Tyco( Ansul ) / HD Fire
Access Control	ONGUARD7.5(LENEL)/CCURE9000 (SOFTWAREHOUSE)/Honeywell -(Pro-watch) /JCI or equivalent
Multiclass Smart Card readers	HID/Honeywell/Lenel/Morpho
Fire Alarm system (UL Listed)	Autronica/ Farenhyt/ Simplex/ Siemens
Smoke Detectors	Autronica/ Farenhyt/ Simplex/ Siemens
Heat Detectors	Autronica/ Farenhyt/ Simplex/ Siemens
Manual Call Box	Autronica/ Farenhyt/ Simplex/ Siemens
Hooter/ Sounder	Autronica/ Farenhyt/ Simplex/ Siemens
Response Indicator	Autronica/ Farenhyt/ Simplex/ Siemens
Fire Panel	Autronica/ Farenhyt/ Simplex/ Siemens

<b>ITEM</b>	<b>MAKE APPROVED</b>
Pa Amplifier	Autronica/ Farenhyt/ Simplex/ Siemens/Bosch
Pa Speakers	Autronica/ Farenhyt/ Simplex/ Siemens/ Bosch
NVR	Axis/Avigilon/ Bosch/ Honeywell Enterprise/HIKVISION/CP PLUS
Camera With All Accessories	Axis/Avigilon/ Bosch/ Honeywell Enterprise
Services/System Integrator	Oscorp Energy/Soltech Energy/Shilpi Engineering
Building Automation System	Honeywell/ALC/SBC/JCI
<b>AUDIO- VIDUAL</b>	
Interactive Display/Professional Display	GLOBUS/SONY/LG/VU/UE/BARCO
Podium	AHA/GLOBUS/HUGO TECHNO
Microphones/Ceiling Microphones	SENNHEISER/SHURE/GLOBUS/BOSCH/CLOCK AUDIO/BEYER DYNAMIC
Speakers & Amplifiers	BOSE/JBL/GLOBUS/TANNOY/HARMAN/BOSCH
Digital Signal Processor	CROWN/BIAMP/GLOBUS/LABGRUPPEN/SENNHEISE
Video Conferencing Camera	LUMENS/GLOBUS/VADDIO/SONY/PELCO

### **PHE WORKS**

<b>ITEM</b>	<b>Approved Makes</b>
VITREOUS CHINA AND FIRECLAY SANITARYWARE WITH COVER	JAQUAR/HINDWARE/ ROCA / KOHLER / CERA/AGMECO
STAINLESS STEEL SINKS	JAYNA/ PARRYWARE/ NEELKANTH/ NIRALI/ CERA/AGMECO
SS COCKROACH TRAPS, GRATINGS FOR FLOOR DRAINS, FLOOR TRAPS AND RAIN WATER GRATINGS	CHILLY/ JAYNA/ CAMRY
SOIL, WASTE & FITTINGS (a) CENTRIFUGALLY CAST SPUN CAST IRON PIPES (IS:3989)	SKF/ NECO/BIC/ PRINCE/ SUPREME/ KISSAN
RCC PIPES	PRAGATI / JAIN SPUN/ ISI MARKS OF REPUTED COMPANY
PVC/ CPVC PIPES, FITTINGS& VALVES	ASTRAL/ ASHIRVAD / FINOLEX/ SUPREME
HAND DRIER	JAQUAR/ HINDWARE/EURONICS
BALL VALVES	ZOOTO/ LEADER/ ADVANCE/ SANT
RAIN WATER PIPES & FITTINGS UPVC PIPES AND FITTINGS	PRINCE/ SUPREME/ PRAKASH/ FINOLEX/ ORI-PLAST

<b>ITEM</b>	<b>Approved Makes</b>
WAFER TYPE BUTTERFLY VALVES	ZOLOTO/ LEADER/ ADVANCE/ SANT
WAFER TYPE NON-RETURN VALVES	ZOLOTO/ LEADER/ ADVANCE/ SANT
WATER METRES	CAPSTAN/KRANTI/KAYCEE/AQUAMET
BALL COCKS	GPA/ DRP/ SANT/ L & K
STONEWARE PIPES & GULLY TRAPS	PERFECT/ BURN/ RK/ SAURAKHI / MOU
C.I. MANHOLES COVERS AND FRAMES	NECO/ RIF/ BIC/SKF/BIC/ RPMF
RCC MANHOLE COVERS & FRAMES	KK/ PRAKASH/ JSP
FASTNERS	HILTI/ INTELLOTEC / TRUCTEK / FISHER
WATER HEATER	HAVELLS/ BAJAJ/ CROMPTON GREAVES
HOT WATER NEOPRENE INSULATION	KAIFLEX
GATE/ FULLLL WAY VALVES AND GLOBE VALVES	LEADER/ZOLOTO/SANT
AIR RELEASE VALVES	SANT/ LEADER/DANFOSS/ ZOLOTO
PIPECOAT	IWL LIMITED/ PYPKOTE
C. I. PIPE	RIF, NECO, SKF, HEPSCO, BIC
G. I. PIPE	JINDAL, TATA, SWASTIK, APL APOLLO, SURYA PRAKASH
G.I. FITTINGS (MALLEABLE CAST IRON)	JINDAL / SURYA PRAKASH /DRP-M/ ZOLOTO-M/ UNIK
M.S. FITTINGS (FORGED)	DRP/ VS
OVERHEAD WATER TANK	SINTEX, SHEETAL, EUREWELL
WATER COOLER	BLUE STAR/VOLTAS/GODREJ/USHA
R.O WATER PURIFIER	KENT/ EUREKA FORBES/ ION EXCHANGE
WATER TREATMENT PLANT	ION EXCHANGE/ THERMAX/ OPTIMA/YIMBBY
HDPE PIPE	PRINCE/ SUPREME/ PRAKASH/ FINOLEX/ DUROLINE
DI PIPE	JINDAL/ PRINCE/ SUPREME/ PRAKASH/ FINOLEX/ JAI BALAJI
DI PIPE FITTINGS	JINDAL/ PRINCE/ SUPREME/ PRAKASH/ FINOLEX/ JAI BALAJI
Drip Irrigation and accessories	RAINBIRD/HUNTER/TORO/
SMC Panel Tank	SOVISY INDIA PRIVATE LIMITED
Sewerage treatment plant	OPTIMA/YIMBBY /RIASA
MOTORIZED BUTTERFLY VALVES	ZOLOTO/ LEADER/ ADVANCE/ SANT

### **FIRE FIGHTING WORKS**

<b>ITEM</b>	<b>MAKE APPROVED</b>
PIPE COAT	IWL LIMITED / STP / PYPKOTE
FASTENERS	HILTI / INTELLOTECH/ FISHER/ TRUTEK
SUSPENDERS	INTELLOTECH / CAMRY
SLUICE VALVE	SANT/ZOLOTO/ADVANCE/LEADER
Alarm Valve	HD/TYCO/VIKING
Deluge Valve	HD/TYCO/VIKING
Water curtain Nozzle and Sprinkler	HD/TYCO/VIKING
Rosette Plate	HD/TYCO/VIKING
Test & Drain Valve	HD/TYCO/VIKING



## AIR CONDITIONING WORKS

AHU/CSU/FCU	Zeco / Edgtech / SYSTEM AIR/CITIZEN/York/Carrier
Closed cell electrometric Pipe insulation	Armaflex/Supreme/A-Flex/K-Flex
Refrigerant Piping	Mandev/Total Line/ Rajco/Metube/ Maxflo/Zobu or equivalent
Duct Acoustic Insulation	UP Twiga/ Owens Corning
Duct Insulation	Supreme/Paramount
Room Acoustic Insulation	UP Twiga/ Owens Corning
Grilles, Diffusers, Dampers, Laminar	Tristar/Carryaire/AFC
Fire Dampers	Tristar/Carryaire/AFC
G.I.Sheets for Ducts	SAIL/Jindal/Bhushan
Power/Control Cables	Polycab/Finolex/Havells
Hard PVC pipes	Polycab/Supreme/Prince
Armoured Power Cables	Polycab/ Havells/ finolex
Starters/Contactors/ Overload Relay	L&T/ Siemans
Factory fabricated duct	Dustech/ Eqra/Ductofab
Axial Flow Fans	Kruger/Dustech / Crystal
Pumps Coupled with VFD	Armstrong/Grundfoss/wilo
VFD with controls	ABB (ACS-580)/Danfoss(FC102)/ Siemens (GP-120)
Electric hot water generator	Rapid cool/ Khokar / Hydronic Solution
Chilled water Cassette/Hi-Wall	Bhutoria/Samsung/Carrier/Bluestar/Hitachi/York etc.
Air-washer/Dry Scrubber/ Wet Scrubber	Crystal/Systemair/VTS
2 Stage Air washer	Crystal/Systemair/VTS
Axial Flow Fans	Kruger/Dustech / Crystal/ Nicotra
UVGI	Intelligreen/airultra/akinterprises
<b>AirFilters</b>	
Filters	Airtech/Purolator/Mechmark
<b>Insulation</b>	
Crossed linked Oxilate Acetate Foam	PARAMOUNT/AFLEX
Closed Cell Elastomeric Nitrile Insulation	Armacell/ Kflex/
Non wovenfibre material	Mikron/ Du pont/K-flex
Premoulded PUF section for pipe & pipe supports	Malanpur/ Lloyd/ K-flex
Aluminium Tape	Johnson/Birla 3M/Garware
<b>Controls</b>	
2/3-Way motorized valve for AHU	Caliphi/Danfoss/ Flowcon/Castle

2/3-Way motorized valve for FCU	Caliphi /Danfoss/ Castle /Flowcon
Thermostats	Caliphi / Siemens/Honeywell
PI Balancing cum Control Valves	Danfoss/ Flowcon USA/ Caliphi/ Castle
Microprocessor based systems	Siemens/Johnson Controls/Honeywell