



**GOVERNMENT OF ASSAM**

**ASSAM HEALTH INFRASTRUCTURE DEVELOPMENT AND MANAGEMENT SOCIETY**

**4<sup>th</sup> Floor, Nayantara Supermarket, Sixmile, Guwahati-781022**

No.AHIDMS/WB/ASSIST/Proc & Constn/142/2024/102

Dated : 11/11/2024

**Corrigendum-I**

In reference to the RFB No: IN-AHIDMS-451480-CW-RFB invited for Design & Construction of 200 Bedded District Hospital in Dibrugarh, Assam in EPC Mode under Assam State Secondary Healthcare Initiative for Service Delivery Transformation (ASSIST)Project certain amendment enclosed as Annexure-I, has been incorporated in the RFB document. Bidders are requested to take the note of this amendment prior to the submission of bid.

**Sd/-**

Dr.Siddharth Singh, IAS  
Commissioner & Secretary to the Govt. of Assam,  
MERD. cum Project Director, AHIDMS

## Corrigendum No. I ( Annexure I)

RFB No: IN-AHIDMS-451480-CW-RFB

### Procurement of:

NAME OF WORK : Design & Construction of 200 Bedded District Hospital in Dibrugarh, Assam in EPC Mode, under Assam State Secondary Healthcare Initiative for Service Delivery Transformation (ASSIST)Project

<b>Clause Reference/Document Type</b>	<b>Existing</b>	<b>Modified</b>
Additional Document uploaded in the RFB vide Sl. no.13	Additional Document uploaded in the RFB vide Sl. no.13, Document name & Description: "Vol4ListOfMakes.pdf"	Additional Document uploaded in the RFB vide Sl. no.13, Document name & Description: "Vol4ListOfMakes.pdf" is <b>replaced with Document name &amp; Description: "Vol4ListOfMakesV2.pdf" as enclosed with this corrigendum as enclosure-1 containing List of Makes.</b>

Sd/-

Dr. Siddharth Singh, IAS  
Commissioner & Secretary to the Govt. of Assam,  
MERD. cum Project Director, AHIDMS

Document name & Description: "Vol4ListOfMakesV2.pdf" containing List of Makes.

**LIST OF APPROVED  
MAKES/BRANDS**

NOTE: -

1. A List of Preferred Brand Names of Various Materials / Products are shown below for usage in execution of Work. However, approved equivalent material of any other Specialized Companies / Firms may also be used, subject to Approval of the alternate Brand by the Engineer-In- charge.
2. It must be ensured, in general, that all materials to be used in the works shall bear BIS Certification mark. In cases where for a particular material/product, BIS Certification Mark is not available, then the material proposed to be procured can be used subject to the condition that it should conform to CPWD Specifications and relevant BIS codes. In such cases written approval of the Engineer-in - Charge shall be obtained before use of such material in their works.
3. The list given below does not absolve the Executing Agency from their responsibility for using these products. It is only after, they are satisfied about the quality and performance, the products shall be used. To achieve this, proper check on the quality of the product, actually to be used, should be exercised.

S. No	Material	Approved Makes/Brands		
<b>CIVIL/INTERIOR WORKS</b>				
1	Cement (OPC/ PPC/ White Cement)	ACC	Ultratech	J.K Cement
		Lafarge	Ambuja Cement	Birla Cement
2	Reinforcement Steel (TMT– Fe500/Fe500D)	TATA	SAIL	RINL
		JSW	Shyam Steel	
3	Structural Steel/ M.S. Tube	TATA	RINL	SAIL
		BANSAL	NEZONE	UTKARSH
4	Anti-Termite Treatment	Tricel	Premis	or equivalent
5	Plasticizer, Super Plasticizer, Admixtures, Other construction chemicals	CICO	FOSROC	BASF
		SIKA	Chocksy	Penetron
		BULWARK CONCHEM		
6	Roofing Sheet (PPGI Sheet / PPGL Sheet)	Tata Bluescope	JSW	Durokolor
		Spectrum	Dyna Roof	Stellar
		Dura Roof	Taj Roofing	Magnum roofing
		Prestar	Indo roof	Maga roof
		Kamdhenu	Colour max	and equivalent

**FINISHING PAINTS AND COATING**

7	Paint	Asian	Berger	ICI
		J&N paint	Luxol	Nerolac
		Unicen	Duco paint	La Green
		ARIA paint	Flixo paint	Dulux
8	Texture Paint	Spectrum	BULWARK CONCHEM	or equivalent
9	Epoxy Paint	Pidilite	Berger	FOSROC
		Sikka	Cico	BULWARK CONCHEM
		Nerolac	Shalimar	Asian
10	Wall Putty	Birla Wall Care	JK White	Asian Paints
		Berger	Dulux	Vinyl wall care
		Fosroc	BULWARK CONCHEM	
11	Polyster Powder Coating Paints	Nerolac	Berger	Akzonobel
12	Water Based Melamine Polish	Asian	Pidilite	ICI Dulux
		Berger		
13	Fire Retardant Paint	Asian	Berger	Shalimar
		Viper FRS881	Nullifire	
14	Gypsum Plaster	Ferrous Crete	Elite(90)	Ultratech
		Ardex Endura	BULWARK CONCHEM	

**FLOORINGS**

15	Floor/ Wall Tiles (Ceramic / Vitrified)	Somany	NITCO	Vermora
		Kajaria	AGL	Bellissimo
		Orient Bell	Johnson	Qutone
		Bonzer 7	Marbitto	Oasis
		Italake	Bajaj	
16	Parking Tiles	Johnson	NITCO	Marbitto
		AGL	Somany	Vermora
		Qutone make		
17	Paver tiles	SUNROCK-Hi CTS	MULTIWYN	OMI's
		and equivalent		
18	Vinyl Flooring	Tarkett	Armstrong	Wonderfloor
		Gerfloor		
19	Anti bacterial Tiles	Johnson	Orient Bell	NITCO
		AGL	Somany	
20	Tac tiles	Durotect	AGL	Johnson
		and equivalent		
21	Wooden floor tiles / Carpet flooring	Armstrong American exotics	Welspun	and equivalent
22	Bamboo wood floor tiles	Epitome	Maisang	ESES
		and equivalent		
23	Broadloom carpet tiles	WELSPUN	and equivalent	
24	Dash / Anchoring Fasteners	Hilti	Fisher	Bosch
		Anchor		
25	Floor hardener	Ironite	Fosroc	Hardonite

26	Composite Marble / Granite / Engineered Stone	Asian	Johnson	Kalinga
27	Heat Resistant Tiles	Swastik	Thermax	
28	Facade Tiles	Clayton	Terreal	Hunter Douglas
		Faveton		
29	Venetian Blinds	Mac Décor	Vista	Hunter Douglas
30	Paver Block & Kerb Stone	NITCO	Unitile	Ultra
		KK Manholes	Unistone	
31	Clamp System For Dry Stone Cladding	Hilti	Fischer	Bosch
32	Heat Resistant Tiles	Swastik	Thermax	Ardex Endura

### WATER PROOFING

33	Integral Waterproofing Crystalline Admixture	Fosroc	Dr. Fixit	Penetron
		Pidilite	Asian paints	BULWARK CONCHEM
34	Polyurethane, Liquid Applied Waterproofing Membrane	Asian paints	BASF	SOPREMA
		MAPEI	Penetron	BULWARK CONCHEM
35	Liquid Applied , Acrylic Elastomeric Membrane	BASF	SIKA	FOSROC
		Chocksy	Dr. Fixit	BULWARK CONCHEM
36	Waterproofing Self Adhesive (HDPE ) Membrane	BASF	STP	FOSROC
37	SBS Membrane	BASF	SIKA	FOSROC
		BULWARK CONCHEM		
38	PVC Water Stops	BASF	Supreme	Oriplast

### EPOXY COATING FLOORING

39	Polyurethane Concrete Flooring	Pidilite	BASF	MAPEI
40	Food Grade Epoxy Coating	MAPEI	STP	BASF
		BULWARK CONCHEM		
41	Anti Static Flooring	STP	FOSROC	MAPEI
		BASF		

### GROUTS/CHEMICALS

42	Grouting Admixture	FOSROC	ARDEXENDURA	BASF
		SIKA	BULWARK CONCHEM	
43	Zinc Panels	VM Zinc	Halcor	Leqsa
		Cinkarna		
44	Fibre Cement Panels	Equitone "Mineralis"	Swiss pearl	FibreC by Rieder
45	Rebaring Chemical	Hilti	3MIndia	
46	Fire Sealant	Hilti	3MIndia	Fischer
47	Parallel Threaded Couplers (Compliant to IS:16172:2014)	Dextra	Halfen Moment	G-Tech

48	AAC Block	BrickOlite	Green AAC Block	Superlite
		Ultralyte	and equivalent	
49	Bricks	1st class clay bricks	Jhama Bricks	Solid 2 to 3 hole no 1 red bricks
50	Building Blocks	Plastic embedded light weight brick of Zerund Brand	Cellular Concrete Blocks	
51	Polysulphide Sealant	Fosroc	Wacker	BASF
		Dow Corning		
52	Adhesive for Wood Work	Dunlop	Fevicol	Vamicol
		Araldite	Pidilite	

### **WOODENWORK**

53	Moisture Resistant Board	Saint Gobin	Gyprox	USG Boral
54	Veneered Particle Board	Archidply	Duro	Action TESA
55	Laminated Particle Board/ Laminates	Merino	Greenlam	Century
		Ventura	KPI	Action Tesa
56	MDF	Action Tesa	Greenply	Archidply
		Green panel	Ventura	KPI
57	PRE Laminate MDF	ActionTesa	Green ply	Archidply
		Green panel	Ventura	KPI
58	Metallic Laminates	Merino	Century	Metlam
		Ventura		
59	Flush door shutters	Duro	Greenply	KPI
		Century	Archidply	Merino
60	Plywood/ Veneer/Laminate	Fiden	Century	Austin ply
		Green ply	Archid ply	BWR
61	Extruded Polysterene Board	STP	Supreme	Owncorning
		Shalimar		
62	Glass Wool	Rockwool	UP Twiga	Lloyd Insulation
63	Glass Fibre Acoustical Ceiling Tile	Anutone	Decosonic	Armstrong
64	Acoustic Wooden Perforated Slat	Anutone	Armstrong	Decosonic
65	Acoustical Fabric (With Glass wood) Wall Panels	Anutone	Armstrong	Decosonic

### **DOORHARDWARE'S/FITTING'S**

66	Hardware for Fire Check Door	Dorma	Becker Fire Solution	Dorset
67	Stainless Steel	TATA	Jindal Alloys	SAIL
68	Stainless Steel Hardware	Dorma	Kich	Ozone
		Godrej	Dorset	
69	UPVC Doors & Windows	Fenesta	Encraft	WINSTA-Koemmerling
		Future view-Alu Plast	Finesse-Prominace	Deceunik
		NCL VEKA	Duroplast	
70	Door/Window Fittings	Godrej	Ozone	Doorset
		Dorma		
71	Door Closer	Godrej	Ozone	Doorset
		Dorma		
72	Die Cast Patch Fittings	Dorma	Geze	Ozone
		Hettich	Hardwyn	

73	Fire rated doors & its hardwares	Navair	Tata Parvez	Promat
		Shakti Hormann	Sukriti	Saint Gobain
73	Floor Springs	Godrej	Ozone	Doorset
		Dorma		
74	SS Mortise lock with one dead bolt and pair of SS handles steel grade – SS304	Godrej	Ozone	Doorset
		Dorma		
75	Grabbars and Disabled Hardware	Dorma	Ozone	D-line
76	SS Mortise latch & lock with six levers and pair off SS handles steel grade–SS304	Godrej	Ozone	Doorset
		Dorma		
77	SS Tower bolt	Godrej	Ozone	Doorset
		Dorma		
78	SS Butt hinges with ball bearing grade–SS304	Godrej	Ozone	Doorset
		Dorma		
79	Magic Eye	Dorma	Godrej	Ingersoll Rand
80	Stainless Steel sliding door blots	Godrej	Ozone	Doorset
		Dorma		
81	Pull handle back to back of length150mmofsteel Grade- SS304	Godrej	Ozone	Doorset
		Dorma		
82	Aluminium level handles	Hardima	Godrej	Everite
		Classic	EBCO	
83	Anodised Aluminium Hardware(Heavy Duty)	Hardima	Godrej	Everite
		Classic	EBCO	
84	Automation Systemsfor Windows	UCS	Window Master	Essmann
		Rivalu	Securistyle	
85	LeverhandleinSS304finish	Godrej	Ozone	Doorset
		Dorma		
86	Friction Stay Hinges	Dorma	LGSysmac	Dorset
87	Dash/Anchoring Fasteners	Hilti	Fisher	Bosch
		Anchor	-	
88	Welding Electrodes	Advani	Oerlikon	Modi
		L&T	ICI	
89	Expansion Joint–Modular	C.S	Herculus	Z-Tech
		Vexcolt	Fischer	
90	Aluminium Bldg. Expansion Joint	Vexcolt	Z-Tech India	C/S Expansion Joint

## GLAZINGS/FACADE

91	Anodised Aluminum Hardware(Heavy Duty)	Hardima	Alualpha	LGF Sysmac
		Everite	Godrej	
92	Aluminum Structural Members–Windows, Glazing and Partitions	Jindal	Indalco	Hindalco
		Nalco	Bhoruka	
93	Aluminum Sheet roofing Top 0.9mm thick AA 3004 aluminium alloy and 2 <sup>nd</sup> layer Bare Galvalume sheet,0.5mm TCT	KalZip	Tata Blue Scope	Kingspan Jindal Pvt. Ltd.
94	Pre-coated Galvanised Steel Sheet	Tata BlueScope	Dyna roof	Spectrum

95	Glazing Structural/ Suspended /Skylight	Saint Gobain	Pilkington	Glaverbal
96	Clear/Float/Frosted Glass/ Mirror	Saint Gobain	AIS	Pilkington
		MODI Guard	Atul	
97	Fire Rated Glass	Saint Gobain	Schott	
98	Glass Spider Fittings	Dorma	HAFAL	OZONE
99	Stainless Steel Railing, Accessories etc in Grade SSOR 316	Dorma	D-line	Geze
		Ozone	Q-railing	
100	Fire rated vision Panels	Pilkington	SCHOTT	FERILITE
		Saint Gobain	Glaverbel	
101	G. I Steel door frame/Pressed Steel Doorframe	Synergy Thrislington	Navair	Shakti
		Tata Parvez		
102	EPDM Gasket	Hanu	Anand	Osaka/ Alps
		Anand Reddiplex	Enviro Seals	
103	Mirror Glass	Asahi India Safety Glass Ltd	Modi Guard	Saint Gobain
		Dorma		
104	Aluminum Louvers	Lindner	ChicagoMetals	Harsons Green
		Hunter Douglas	Faveton	Kawneer
105	Aluminium composite Panels	Aludecor	Alstrong	Durabuild
106	Friction Stay Hinges	Dorma	LG Sysmac	Dorset
107	Ceramic panel Cladding	Hunter Douglas	Neolith	Terreal
108	Pre-CastGRCJali	Unistone	Dalal Tiles Industries	Ecovision

### **FALSECEILING**

109	False Ceiling–Gypsum	Saint Gobain	USG Boral	Lindner
		India Gypsum	Lafarge	
110	False Ceiling–Mineral fiber ceiling	Armstrong	AMF	USG Boral
		Saint Gobain	Hunter Douglas	
111	False Ceiling–Calcium Silicate Boards/ Tiles	Aerolite	Hilux	Saint Gobain(Gyproc)
112	False Ceiling–Metal	Amstrong	Hunter Douglas	USG Boral
113	Gyp Board	Saint Gobain	USG Boral	Lindner
		Boral Gypsum	Lafarge	India Gypsum
114	False Ceiling–Aluminium	Armstrong	Durlum	Hunter Douglas
115	Curtain Rod/Draperly Rod	Vistawork	Mac Décor	Hunter Douglas
116	Fabric Blinds	Hunter Douglas	Mac	Vista
117	Rolling Shutter	Rama/	Prakash	
118	Tensile Fabric	Mehler	Verseidag	Heytex
119	Polycarbonate Sheet	Palram	Gallina	Danpalon
		DPI Daylighting		
120	Modular Furniture	Godrej	Durian	Wipro
		Featherlite		



<b>PLUMBINGWORKS</b>				
<b>SANITARY FIXTURES &amp; CP BRASS FITTINGS</b>				
121	Sanitary Fixtures	Cera	Hindware	Parryware
		Jaquar		
122	CP Brass Fittings & Accessories	Jaquar	Roca	Kohler
		Euronics		
123	PVC Water Stops	BASF	Supreme	Oriplast
124	Kitchen Sinks	Neelkanth	Jayna	Hindware
		Nirali		
125	Water Cooler	BlueStar	Usha	Voltas
		Eureka Forbes		
126	Electric Storage Type Geyser	Venus	AO Smith	Racold
		Havells		
127	Hand Drier	Euronics	Jaquar	Utec
128	RO Purifier Units	Kent	ION Exchange	Eureka Forbes
		BlueStar		
<b>SOIL, WASTE, VENT &amp; RAIN WATER PIPES</b>				
129	Hubless Centrifugally cast (spun) Iron pipes & Fittings SS304 grade coupling with EPDM rubber gasket	Neco	Kapilansh	Hepco
130	GI Pipes	Jindal Hissar	Prakash Surya	Tata
131	GI Pipe Fittings	Zoloto M	DRP	New
		Unik		
132	GI clamps with EPDM rubber	Intellotech	Indotech	Hilti
		CAMRY		
133	Brass Clean Out Plugs	Neer	Vijay	GMGR
134	Stainless Steel Gratings	Chilly	Camry	Kamal
135	uPVC Pipes & Fittings	Ashirvad	Finolex	Astral
		AKG		

**WATERSUPPLYSYSTEM**

136	CPVC Pipes & Fittings	Ashirvad	Finolex	Astral
		AKG	Supreme	-
137	GI Pipes	Jindal Hissar	Prakash Surya	Tata
138	GI Pipe Fittings	Zoloto	DRP	New
		Unik		
139	Water Meter	Kranti	Toshaniwal	Capstan
		Anand		
140	DI Pipes & Fittings	Electrosteel	Kesoram	Tisco
141	Forged Brass Ball Valves	Giacomini	Zoloto	Sant
		DRP	New	
142	CI Butterfly Valves	Zoloto	Audco	Sant
		DRP		
143	Pipe Insulation	Armaflex	K-Flex	Thermaflex
		Kaiflex		
144	Motorised Valves	Zoloto	Sant	AIP
145	Single Acting Air Release Valve	Giacomini	Zoloto	Sant
		DRP		
146	Central RO Plant	Ion Exchange	Thermax	Pentair
		Eureka Forbes		
147	Polyethylene Storage Tank	Sintex	Supreme	Sheetal

**HOTWATERSYSTEM(HEATPUMP)**

148	Heat Pumps	AO Smith	Cristopia	Bluebox
		Clima veneta	Klima	
149	Hot Water Recirculation & Return Pumps	Willo	Grundfoss	KSB
		Xyllum		

**SEWERAGE&DRAINAGESYSTEM**

150	HDPE Double Wall Corrugated (DWC)	Finolex	Astral	Ashrivad
		Supreme		
151	SFRC Manhole Cover &Frame	KK Manholes	SK Precast Concrete	Advent Concrete ovision
152	Foot Rests	KJM	Deesawala	Surya
		Sinecos		
153	Grease Seperator	ACO	Kessel	Klaro
154	RCC Pipes	Jain Spun Pipes	KK Concrete Products	Usha Spun Pipes
		Indian Hume Pipe	Pragati Concrete Udyog	Daya
		Dewan Spun		

**WATER SUPPLY, BOREWELL, DRAINAGE PUMPS & WATER TREATMENT EQUIPMENTS**

155	Water Supply Pumps	Willo	Grundfoss	KSB
		Xyllum		
156	Drainage Pumps	Willo	Grundfoss	KSB
		Xyllum		
157	Borewell Pumps	Willo	Grundfoss	KSB
		Crompton Greaves		

158	Hydropneumatic System	Willo	Grundfoss	KSB
		Xyllum		
159	Water Filters	Ion Exchange	Thermax	Pentair
160	Water Softeners	Ion Exchange	Thermax	Pentair
161	Chemical Dosers (Chlorinators)	Asia LMI	Toshcon	Chloromax
162	Electrical Panels	As per Electrical Make List		
163	GI Pipes	Jindal Hissar	Prakash Surya	Tata
164	GI Fittings	ZolotoM	DRP	New
		Unik		
165	CI Butterfly Valves	Zolato	Audco	Sant
		DRP		
166	CI Dual Plate Check Valves	Zolato	Audco	Sant
		DRP		
167	CI Strainers	Zolato	Audco	Sant
		DRP		
168	Vibration Eleminators/ Rubber Bellow	Resistoflex	D'wren	Kanwal
169	Electric Wires &Cables	As per Electrical Make List		

### SEWAGE TREATMENT PLANT

170	Air Blowers	Beta	Everest	Kulkarni
		TMVT		
171	Air Diffussion System	Airfin	Usha Ruba	Rehau
172	Air Vent Valve	Oventrop (Germany)	CIM	Rapid Control
173	Bar Screen	KSP	AWMS	PAMM
174	Centrifuge	Apollo	United	B.A Engineering
175	Chemical Cleaning Pump	WILO	Grundfos	Xylem
		KSB		
176	Chemical Cleaning tank	Polycon	Sintex	Vectus
		Supreme		
177	Electrical Panel	As per Electrical Make List		
178	Flow Meter (Digital)	Aster (Totalized)	VATS	Scientific
179	Flow Rota Meter for Suction Pump	UKL	Aster	Scientific
180	Foot Valve	Sant	Zoloto	Advance
		DRP		
181	G.I. fittings (malleable cast iron)	Unik	Zoloto	New
		DRP		
182	Level Controller	Aster	Cirrus Engineering	Rockwell Automation
183	Level Indicator	Aster	Cirrus Engineering	Rockwell Automation
184	Level Switch	Aster	Cirrus Engineering	Rockwell Automation
185	MBR Module	G.E	Siemens	Mitsubishi
186	MBR Permeate SuctionPump	WILO	Grundfos	Xylem
		KSB		
187	Media	Cool deck	Usha Ruba	MM Aqua
		Pharma tech		
188	Multiport Valve	Pharer (U.S.A)	ORG	Astar
189	PH Meter	VATS	Hanna	Aster
		digital		

190	PLC/HMI	Schneider	Allen bradley	Mitsubishi
191	Semi Auto Fine Screen	Toro	KSP	AWMS
		PAMM		
192	UV Systems	Alpha UV	Creative UV	Pentair
		Eureka Forbes		
193	VFD	Danfoss	Allen Bredly	Siemens
		ABB		
194	STP Vendors	BS Enviro	Degrumont	Thermax
		UEM	DOSHION	

### FIREFIGHTINGSYSTEM

195	Gas Based Fire Suppression System	Honeywell	Fike	Nohmi
196	Deluge valve/Solenoid valve/ Spray nozzle/Installation Control Valve	Victaulic	Smith Copper	Anvil
197	Fire Pumps	Mather& Platt (WILO)	Grundfos	Kirloskar
		KSB		
198	Fire Buckets	Safe gaurd	Life gaurd	Swastik
		Minimax		
199	Fire Extinguishers	Safe gaurd	Life gaurd	Swastik
		Minimax		
200	Fire Hydrant Valves/ Fire RRL Hose Pipes / Fire Hose Reels/FireMan'sAxe/short branch pipe/ 2/ 3/4 FB inlet/ draw Out connection/Hose Box/ Hose reel drum /Nozzle/blankCaps& Chains / Coupling	Minimax	Safex	Newage (Surendranagar)
201	Flow switch	Potter	Rapid flow	Danfoss
		Viking	-	Honeywell
202	Pipe coat material(pipe protection)	Pypcoat	Makphalt	
203	Pipe Hangers/ Clamps/Supports	Chilly	GMGR	CAMRY
		Hilti		
204	Mild Steel Pipes	Jindal Hissar	Prakash Surya	Tata
		SAIL		
205	Weld Electrodes	Advani	ESAB	L&T
		Victor		
206	Pressure Gauge	Fiebig	H.GURU	HD
		BRC		
207	Push Buttons/Indicating lamps LED	As per respective electrical make list		
208	Single Phase Preventer	As per respective electrical make list		
209	Solenoid valve/Spray nozzle	HD	Tyco	Danfoss
		Honeywell		
210	Sprinkler Heads (Sidewall/Upright/ Pendant)	Grinnel-Tyco	Viking	HD
211	Sprinkler Flexible Drops	Victaulic	Smith Copper	Anvil

212	MS Forged Fittings	New	DRP	VS
		SS		
213	Pop up Connecting Assembly	Rain Bird	Dura	Lasco
214	Pop up Spray Head	Rain Bird	Toro, USA	Nelson,
215	Powder Coating Material pure Polyester	Jotun	Berger	Good lass Nerolac
216	RQRC Hydrant	Harvel	Alprene	Rain Bird,USA
217	RQRC Key	Harvel	Aqua	Drip & Drip
218	CI Butterfly Valves/Sluice Valves	Zolato	Audco	Sant
		DRP		
219	CI Dual Plate Check Valves	Zolato	Audco	Sant
		DRP		
220	CI Strainers	Zolato	Audco	Sant
		DRP		
221	Vibration Eleminators/ Rubber Bellow	Resistoflex	D'wren	Kanwal
222	Electric Wires & Cables	As per Electrical Make List		

### ELECTRICALWORKS

223	AIR CIRCUIT BREAKER(MODEL SHALL BE AS PER TENDER SPECIFICATION&BOQ)	SCHNEIDER(MVS)	L&T (U Power)	ABB(E-Max)
		SIEMENS(3WL)	Hager	Mitsubishi Electric (AE-SW)
224	MCCBS BREAKER (MODEL SHALL BE AS PER TENDER SPECIFICATION&BOQ)	SCHNEIDER(CVS)	L&T(D-Sine)	ABB(T-Max)
		SIEMENS(3VA)	Mitsubishi Electric (AE-SW)	
225	SFU/FSU/HRC/ HBC FUSES & BASES	L&T	SIEMENS	SCHNEIDER
		ABB		
226	MCB/ELCB/RCCB/ RCBS/ DISTRIBUTION BOARDS(DOUBLE DOOR IP43 DBs)	LEGRAND	HAGER	SIEMENS
		SCHNEIDER	ABB	-
227	AUTOMATIC TRANSFERSWITCH/ CHANGE OVER SWITCH(OFFLOAD/ ON LOAD)	HAVELLS	SOCOMEK	ASCO
		L&T	ABB	
228	METAL CLAD SHEET STEEL ENCLUSER SOCKET/ PLUG BOX	L&T	SCHNEIDER	SIEMENS
		ABB	LEGRAND	BS
229	LOADBREAK SWITCHES	L&T	SIEMENS	SCHNEIDER
230	FRLS/XLPEINSULATED COPPERWIRES/CABLES (ARMOURED OR OTHERWISE)	BONTON	FINOLEX	HAVELLS

231	MODULAR PLATE SWITCHES AND SOCKETS	LEGRAND	SCHNEIDER	MK
		WIPRO (NORTH WEST)		
232	TRIVECTOR METER/ AMP METER/ VOLT METER/ENERGY METER/ MFM	NEPTUNE	SECURE	CONZERV
		SCHNEIDER	SOCOMEK	TRINITY
233	FAÇADE&EXTERNAL LIGHTING	HAVELLS	BAJAJ	LEGERO
		PHILIPS		
234	TELECOMMUNICATI ON/ TVCABLE	FINOLEX	BONTON	HAVELLS
235	MAIN LT PANEL/ APFC PANELS(TTAIS:8623-1)	SPC ELECTROTECH CROMPTON	PEATON ELECTRICALS SCHNEIDER	HAVELLS
236	BUSBAR	JINDAL	HINDALCO	CENTURY
237	FRLS PVC CONDUIT/ FLEXIBLE CONDUIT&AC CESSORIES (ISI MARKED)	BEC	AKG	POLYCAB
238	STEEL CONDUIT/ FLEXIBLE& ACCESSORIES(ERW) (ISI MARKED)	RMCON	BEC	NIC
		MKAY		
239	LT PANEL/ PCC/ MCC/ MCBS/ DG SYNCHRONIZING PANELS/ PANELS/ CONTROL PANELS/ FEEDER PILLARS/ SERVICE PILLAR/H.T. PANEL	SPC ELECTROTECH TRICOLITE	PEATON ELECTRICALS CROMPTON	HAVELLS
		1) PANEL MANUFACTURER MAKE APPROVAL SHALL BE TAKEN BY UNIT IN CHARGE BEFORE ORDER THE PANEL.		
		2) FABRICATION FACILITY UPTO IP54/55.		
		3) 9 TANK PRETREATMENT FACILITIES FOR SHEET.		
		4) EQUIPPED WITH LATEST CNC BENDING, POWDER COATING, BUSBAR BENDING & PUNCHING MACHINE, AND COMPRESSOR ETC.		
240	CONVENTIONAL BUSTRUNKING & RISING MAINS	SAME MAKE AS THAT OF THE LT PANELS		
241	SANDWICH BUS DUCT (FCLASS)	SCHNEIDER	SIEMENS	C&S
		LEGRAND	SPC ELECTROTECH	
242	BAKELITE SHEET	HYLAM	FORMICA	GREENLAM
243	VOLTAGE TRANSFORMERS	SIEMENS	GE/AREVA	KIRLOSKAR
		-	ABB	-
244	HT PANEL	SIEMENS	L&T	ABB
		SCHNEIDER	SPC ELECTROTECH	-
245	CEILING FAN/ EXHAUST FAN	CROMPTON	BAJAJ	USHA
		HAVELLS	ORIENT	
246	TAG BLOCK	KRONE	ERICSON	TVAR&M
247	TRANSFORMERS	ARIVA	PVJ	CROMPTON
		KIRLOSKAR	-	-

248	AUTOMATIONPOWER FACTORCONTROL RELAY	L&T	SIEMENS	SCHNEIDER
		ABB		
249	CAPACITORS & REACTORS	L&T	SIEMENS	SCHNEIDER
		ABB	NEPTUNE	P2 POWER
250	CABLE GLANDS (DOUBLE COMPRESSION WITHEARTHING LINKS)	DOWELLS	COMET	GRIPWELL
251	BI-METALLIC CABLES PLUGS/PVC GLANDS	DOWELLS	ACTION	JAINSONS
		KABEL		
252	CABLE JOINTING KITS	RAYCHEM	JAINSONS	3M
		DENSONS		
253	G.I CABLE TRAYS FACTORY FABRICATED) / RACEWAYS	NPES	KAMBOJ ELECTRO CONTROL	ADITYASTEEL
		SLOTCO	LEGRAND	SPC ELECTROTECH
254	BATTERY(SEALED MAINTENANCE FREE)	AMCO	EXIDE	AMARARAJA
		LUMINUS		
255	BATTERYCHARGER	AMARARAJA	STATCON	CROMPTON GREAVES
256	DG SET	Power control system & switchgear Vidyut Enterprises		
		CATERPILLAR	CUMMINS	MAHINDRA
		mitsubishi	PERKINS	BAUDOIN (STERLING)
257	DG SET ALTERNATOR	STAMFORD	LERROY SOMMER	CROMPTON
258	CONTROLGEAR (CONTRACTORS ETC.)	L&T	SIEMENS	SCHNEIDER
		ABB		
259	PROTECTIONRELAYS MICROPROCESSER BASED	AREVA	L&T	ABB
		SIEMENS	SCHNEIDER	
260	EARTHLEAKAGE RELAY	L&T	PIC	MINILEC
		EATON		
261	SINGLEPHASING DEVICE	L&T	SIEMENS	MINILEC
262	PUSHBUTTONS	L&T	SIEMENS	SCHNEIDER
		ABB		
263	TIMERELAYDEVICE	L&T	SIEMENS	SCHNEIDER
		ABB		
264	SELECTORSWITCHES &ROTARYSWITCHES	L&T	SIEMENS	SCHNEIDER
		ABB		
265	INDICATINGLIGHTS	L&T	SIEMENS	SCHNEIDER
		ABB		
266	TERMINALS	ELMEX	ESSEN	DEINKI
		WAGO		

267	MS SWAGED TUBLAR POLE STREETLIGHT POLES	PHILLIPS	ORIENTS	KESELEC
		BAJAJ	SKIPPER	
268	TELEPHONE OUTLETS	LEGRAND	SCHNEIDER	PANDUIT
269	MOTORS	ABB	CROMPTON	SIEMENS
		KIRLOSKAR	-	-
270	IPBAX & TELEPHONE SYSTEM	CISCO	TADIRAN	POLYCOM
		SIEMENS	ERICSSON	ALACTEL LUCENT
271	MULTI-METER & MEGGARS	ESCROP	MOTWANI OR EQUIVALENT	
272	PROGRAMMABLE LOGICCONTROLLER	SIEMENS	WOODWARD	ALLEN BRADLEY
273	SMART SURGEON CONTROLPANEL/OT'S PANEL	AS PER SPECIFICATIONS		
274	EARTHING/LIGHTNING PROTECTION UNIT	ARICO	LPI	JMV
275	UPS	SCHNEIDER	EMERSON	TATALIBERT
		NUMERIC	GEPOWER	3EM
		ORION	RELIO	ELNOVA
		UPS		
276	FIRE ALARM SYSTEM (All COMPONENTS SHALL BE UTILISTED & CONFIRM TO NFPA STANDARD)	HONEYWELL NOTIFIER	NOHMI	IFC
277	PA SYSTEM	HONEYWELL NOTIFIER	NOHMI	IFC
278	PUMPS	WILLO	KIRLOSKAR	KSB
		XYLLUM	CG	-
279	AVIATION OBSTRUCTIONLIGHT	WIPRO	PHILLIPS	CROMPTON
		BAJAJ	INSTA POWER	-
280	HIGH MAST LIGHTING SYSTEM	PHILLIPS	BAJAJ	CROMPTON
		INSTA POWER	-	-
281	LT SERVO AUTOMATIC VOLTAGE STABILIZER	AE	LOGICSTAT	LD POWER TRANSFORME R S (PVT.)LTD.
282	D.G.SET ACCOUSTIC ENCLOSURE	AS PER D.G. APPROVED BY OEM		
283	M.S.PIPE	TATA	JINDAL HISSAR	SAIL
		PRAKSHSURYA		
284	BUTTERFLY / BALANCING VALVE	ZOLOTO	AUDCO	SANT
		DRP		
285	COOLING TOWER	BELL	PAHARPUR	DELTA



286	POT STRAINER/ YSTRAINER	ZOLOTO	EMERALD	SAN T
		DRP		
287	CCTV CAMERA/DVR / NVR	HONEYWELL	SONY	BOSCH
288	ACCESS CONTROL	BOSCH	DSS	HONEYWELL
289	CAT6A	NEXANS	SIEMON	DERWISWE R
		CISCO	D-LINK	NETGEAR
290	MINERAL INSULATED COPPER CABLE FOR PA ANDFDA	DRAKA	PYROTENAX	RSCC
291	FIRE SUPPRESSION SYSTEM	HONEYWELL	FIKE	NOHMI
292	RESIDENTIAL SILENCER	NELSON	CUMMINS	PKENGINEERIN G
293	TEMPERATURE GAUGES	H GURU	FEIBIG	WIKA
		BELL		
294	VIBRATOR ELIMINATOR	KANWAL	RESISTRO FLEX	D'WREN
295	INSULATION	UP TWIGA	KIMCO	LLYOD
296	WELDEL ECTRODES	ADVANI	ESAB	L&T
		VICTOR		
297	BOOMBARRIER	FAAC	GODREJ	GUNNERO
		SOMFY		
298	DWCHDPE PIPE	FINOLEX	ASTRAL	ASHIRVAD
		SUPREME		
298	INVERTER	MICROTEK	LUMINOUS	SU-KAM
299	NURSECALLSYSTEM	SCHRACK SECONET	HONEYWELL	RAULAND-BORG
		PIECO		
300	SEMIROTARYTYPE HAND FUEL FILLINGPUMP	ROTODEL	KITTY	GROZ
301	SOLARPVMODULE	ADANI	VIKRAM	TATA
302	SOLARINVERTER	DELTA KOTAK URJA	NEOWATT	SCHNEIDER
303	DCCABLE	BONTON	HAVELLS	FINOLEX
304	MC4 CONNECTOR	SYNERGY	SETLLAR	SCHNEIDER
305	FIRE FIGHTING & ELECTRICAL CONTROL PANELS, TUBE BASES GAS FIRE SUPRESSION SYSTEM	HONEYWELL	NOHMI	IFC

### HSD WORKS

306	BUTTERFLY/ CHECKVALVES	ZOLOTO	AUDCO	SANT
		DRP		
307	BALLVALVE	GIACOMINI	ZOLOTO	SANT
		DRP	NEW	
308	LEVELCONTROLS	LEVCON	MINILEC	FEMACK
309	FUEL OIL PUMP/ OILFLOWMETER	REACTOR	KESHCO	TUSHACO
		KENT		
310	ALL POWER AMPLIFIERS	BOSE	POWERSOFT	ELECTROVOICE
		BOSCH		

311	ALL LOUD SPEAKERS,LINE ARRAYS AND SUBWOOFERS IN CLASS ROOMS AND AUDITORIUMS	BOSE	MARTIN AUDIO	D&B AUDIOTECHNIC
		BOSCH	ELECTO VOICE	
312	CEILING SPEAKER (AUDIO/ VIDEO)	BOSE	MARTIN AUDIO	D&B AUDIOTECHNIC
		BOSCH	ELECTO VOICE	
313	STAGE LIGHTING	CANARA LIGHTING	MARTIN LIGHTS	ROBE
314	NETWORK SWITCH	CISCO	ALCATEL	BROCADE
		D-LINK	NETGEAR	
315	ALL SWITCHING& CONTORLS, RECEIVERS, TRANSMITTERS, SCALER EXTENDER	AMX	CRESTRON	BROCO
316	PROJECTOR	BARCO	CHRISTIE	DIGITAL PROJECTION
317	ELEVATORS	KONE	OTIS	MITSUBISHI
		SCHINDLER		
318	LIGHT FIXTURES (LED)	LEGERO	INSTA POWER	PHILIPS
		XAL	CROMPTON	
319	MOTORIIZED SCREENIN CLASS ROOMS AND AUDITORIUMS	STREAM MEDIA	SAMSUNG	DELTA
320	FLAT PANEL DISPLAY	STREAM MEDIA	SAMSUNG	DELTA
321	DOCUMENT CAMERA	POLYCOM	LUMENS	MARTIN AUDIO
322	HIGH DEFINITION VIDEO CONFERENCING	LUMENS	POLYCOM	MARTIN AUDIO
323	CAMERA SECONDARY	LUMENS	POLYCOM	SONY
324	MULTI FORMAT PRESENTATION SWITCHER WITH CONTROL PROCESSOR IN CLASSROOMSAND AUDITORIUMS	AMX	CRESTRON	LIGHTWARE
		BOSCH		
325	WIRELESSTOUCH PANEL WITH ACCESSORIES IN CLASS ROOMSAND AUDITORIUMS	AMX	CRESTRON	LIGHTWARE
		BOSCH		
326	CONFERENCE SYSTEM IN CLASS ROOMS AND AUDITORIUMS	LUMENS	BOSCH	MARTIN AUDIO
327	DELEGATEAND CHAIRMAN MICROPHONES	CRESTRON	BXB	BOSCH

328	HANDHELD AND LAPEL MICROPHONES	BOSCH	HEINRICH	BEYER DYNAMIC
329	DIGITAL SIGNAL PROCESSOR	BSS	BOSCH	MARTIN AUDIO
330	VGA WITH AUDIO PATCH CABLE	AMX	CRESTRON	LIGHTWARE
		EXTRON		
331	DIGITAL VIDEO CABLE NON-PLENUM	AMX	CRESTRON	LIGHTWARE
		EXTRON		
332	CONTROL CABLE	AMX	CRESTRON	LIGHTWARE
		EXTRON		
333	MICROPHONE CABLE	AMX	CRESTRON	LIGHTWARE
		EXTRON		-
334	AUDIO AND STEREO CONTROL CABLE	AMX	CRESTRON	LIGHTWARE
		EXTRON		
335	HDMI PATCH CABLES	LEGRAND	SCHNEIDER	PAUDUIT
336	BULK CONNECTORS	NEUTRIK	SWITCHCRAFT	AMPHENOL
337	EQUIPMENT RACK	CHIEF	MIDDLE ATLANTICA	VALRACK
337	LIGHTING CONTROLLER/ MANAGEMENT SYSTEM	AMX	CRESTRON	HONEYWELL
338	SMART PODIUM	PEOPLELINK	AHA	LUMIN
339	INTERACTIVE WHITE BOARD	PROMETHEAN	HITEVISION	SMART
340	COUNTDOWN CLOCK	BIGTIMECLOCKS	ULTRAK	BANGGOOD
341	COMPUTER	HP	DELL	IBM
342	MONITOR	SAMSUNG/DELTA	PANASONIC	CHRISTIE
343	12 BAY NAS	NETGEAR	DELL	HP
		CISCO		
344	10G CORE SWITCH	ALCATEL	CISCO	BROCADE
		NETGEAR	DELL	HP
345	L3 POE PLUS SWITCH	ALCATEL	CISCO	BROCADE
		NETGEAR	DELL	HP
346	DUAL BAND 11 AC ACCESS POINT	ALCATEL	CISCO	BROCADE
		NETGEAR	DELL	HP
347	10G SINGLE MODE SFP+ MODULE	ALCATEL	CISCO	BROCADE
		NETGEAR	DELL	HP
348	SECURE NETWORK SERVER	ALCATEL	CISCO	BROCADE
		NETGEAR	DELL	HP

**HVACSYSTEMWORKS****CHILLERS**

349	Water Cooled Centrifugal Chillers With VSD (AHRI Certified)	Carrier	Daikin	Trane
		York	Kirloskar	
350	Rotary Screw Water-cooled Water Chilling Machine (AHRI Certified-200TR& Above)	Carrier	Daikin	Trane
		York	Kirloskar	
351	VRV/VRF System (Outdoor /Indoor Units, Copper Y Joints And Fittings, Central & Remote Controller)	Daikin	Toshiba	Mitsubishi
		O General		
352	Air-cooled Ductable Split Unit	Daikin	Hitachi	Carrier
353	Air-cooled Packaged Unit	Daikin	Hitachi	Carrier
354	Air Cooled Hi-wall/ Cassette Unit	Daikin	Hitachi	Carrier
355	Air Cooled Precision AC Unit	Emerson	APC	Stulz
		BlueBox		
356	Horizontal Split Casing / Vertical Inline/End Suction /Mono block Pump Sets(For Primary CHW Pumps & Condenser Water Pumps & Hot Water Pumps)	ITT Xylem	Armstrong	Grundfoss
357	Variable Speed Pumping System (For Secondary Chilled Water Pumps Motors)	ITT Xylem	Armstrong	Grundfoss
358	Variable Frequency Drive (For Pumps, Cooling Tower & AHU)	Danfoss(FC102)	ABB(ACH 550)	Siemens (Sinamics G120P)
		VTS		
359	Expansion Tank	Xylem-ITT	Armstrong	Grundfos
		Anergy		
360	Cooling Tower (CTI/JCI Approved& Certified)	Paharpur	DVR	Advance
		Bell		
361	Air & Dirt Separator, Automatic Air Vent, Vacuum Degasser	Spirotech	Spirotherm	Anergy
		Caleffi		
364	Hot Water Generator & Pan Humidifier	KEPL	Emerald	Rapid Cool
365	Electro chemical Water Treatment & Disinfection System (For AC Plant)	Elgressy	Terragon	ENPAR Technologies
366	Air Handlers Unit	Flaktwood	Systemair	Ultrapure
		Edgetech		
367	Fan Coil Unit	Flaktwood	Systemair	Ultrapure
		Edgetech		

368	AHU Fans (AMCA Certified for Sound & Performance)	Kruger	Wolter	Nicotra
		Greenheck		
369	Heat/Energy Recovery Wheel	DRI	Greenheck	Flaktwood
370	Air-washer & Wet Scrubber	Ultrapure	Systemair	Flaktwood
		Edgetech		
371	Dry Scrubber	Trion	Rydair	-
372	Scrubber & Air-washer Fans (AMCA Certified for Sound & Performance)	Kruger	Greenheck	Nicotra
373	Acoustically Insulated Box Type Inline Fans	Ostberg	Kruger	Wolter
		Saksham		
374	Axial Fan / Centrifugal Fan (AMCA Certified for Sound & Performance)	Greenheck	Airflow	Kruger
		Systemair	Flaktwood	
375	Propeller Fan	GE	Usha	Bajaj
376	Three phase motors	ABB	CG	Siemens
		Marathon		
377	Three phase motors (250°C for 2 Hours)	Marathon	Havells-Lafert	Baldor
378	Water Piping Upto 150 mm dia	Tata	SAIL	Jindal Hissar
		Prakash Surya		
379	Water Piping Above 150 mm dia	Tata	MSL	Jindal
		PrakashSurya		
380	Y-strainer/Pot-strainer	Emerald	Sant	RapidCool
		Zoloto		
381	Butterfly Valve (Manual & Motorized)	Advance	DRP	Zoloto
		Leader		
382	Actuator for Motorised Butterfly Valve	Belimo	Siemens	Danfoss
		Honeywell		
383	Manual Balancing Valve	Advance	Zoloto	Leader
384	Dual Plate Check Valve	Advance	Zoloto	Leader
385	FCU Valve Station	Calefi	CNM	ATS
386	Pressure Independent Control Cum Balancing Valves/High Rangeability Valve	DANFOSS	JOHNSON CONTROL	SIEMENS
		ANERGY		
387	Thermostat/Humidistat	DANFOSS	JOHNSON CONTROL	SIEMENS
		ANERGY		
388	Globe/Ball Valve (With or Without Strainer)	Advance	AIP	Zoloto
		Leader		
389	Auto Air Vent Valve	Calefi	Spirotech	Anergy
390	Pressure Gauges	Feibig	Emerald	H Guru
		Taylor		
391	Industrial Type Thermometer (Alcohol Filled V form)	Feibig	Emerald	H Guru
		Taylor		
392	GSS Sheet	Sail	Tata	Jindal

393	Factory Fabricated Duct	Zeco	Ductofab	Waves
		Projtech		
394	Aluminium Sheet	Hindalco	Balco	Nalco
395	Vibration Isolation Spring & Flexible Pipe Connector	Easy flex	Resistoflex	Dunlop
		Kanwal		
396	VAV Boxes	Trox	Zenesty	Johnson
		Trane		
397	CAV	Zenesty	Trox	Trane
398	Fire & Smoke Damper	System Air	Zenesty	Trox
		Titus		
399	Fire Damper Actuator	Belimo	Siemens	Honeywell
400	Extruded aluminum grills/	System Air	Zenesty	Titus
	Diffusers			
401	Pre Filters, Fine Filters & Hepa Filters	Thermodyne	Spectrum	Mechmark
402	Closed Cell Fire Retardant XPE (For Duct Insulation)	Paramount	Supreme	Trocyllene
403	Nitrile Rubber For Pipe/ Duct Insulation (With Mechanical & UV Protection)	Armacell	Supreme	Kflex
		ALP Aeroflex		
404	V Belt	Dunlop	Fenner	Hilton
405	Fibre Glass Rigid Board	U.P.Twiga	Owencorning	Kimco
406	Paints	ICI	Asian	Berger
		Nerolac		
407	Tarfelt /CPRX compound	Shalimartar product	-	-
408	Dash Fasteners	Fisher	Hilti	Bosch
409	Welding Rods	Advani	L&T	Esab
410	Insulated Flexible Duct	Atco	Caryaire	Zenesty
411	Duct/Pipe Support	Easyflex	Gripple	Resistoflex
		Hilti		
412	Copper Refrigerant Piping	Mandev	Rajco	Shree Shyam
		Mex flow		
413	Copper Refrigerant Pipe Insulation	Armacell	ALPAeroflex	Kflex
		Supreme		
414	Duct Mounted Bio- polar Ionization System	Ruks	Trimed	Plasma Air
415	Intelligent Air Filtration System with UVC/UVGI	Yumito	Zenesty	Flowhex
416	Imported AHU/UVC/CoiloTron/ UVGI	Ruks	Trimed	Pure air
417	Pre insulated Ducting for Conditioned Air	Easy (mecheasy)	P3	ALP
418	Smart Anti Fouling Condenser System	CET	Energeo	CQM
419	Heater Bank	DasPass	Escorts	KEPL
420	UV & Weather Protective Coating	Pidilite	Foster	Amicon
421	Magnehelic Gauges	Mitbraus Instruments	Dwyer	Omicron

422	Electrical Panel, Console Panel & Sub-Panels	RYBNE,	KRATOS	LOTUS CONTROL
		TRICOLITE		
423	TDRs	LT-LK	BCH	
424	Vacuum Degasser	Spirotech Anergy	Comfort	Spirotherm
425	BMS System	As per specifications		
426	Software	Honeywell-Webs	DELTA	ABB
427	Network Area Controller	Honeywell-Webs	DELTA	ABB
428	Third Party Integrator	Honeywell-Webs	DELTA	ABB
429	Central and DDC Controllers	Honeywell-Webs	DELTA	ABB
430	Ultrasonic BTU/Flow Meters	Forbes Marshall	Landis & Gyr	Fuji
		Omicron		
431	Immersion Temperature Sensor	Honeywell	DELTA	ABB
		Omicron		
432	Return Air Temperature Sensor	Honeywell	DELTA	ABB
		Omicron		
433	Network/Remote Operator Terminal	Honeywell	DELTA	ABB
434	Smoke Sensor	Honeywell	DELTA	ABB
		Omicron		
435	Temperature plus RH Sensor	Honeywell	DELTA	ABB
		Omicron		
436	Differential Pressure Switch- Air	Honeywell	DELTA	ABB
		Omicron		
437	Differential Pressure Switch-Water	Honeywell	DELTA	ABB
		Omicron		
438	Computer	ZENIBM	HP	Dell
439	Laser Printer	HP	Sharp	Canon
440	CAT-6ACable	Molex	Fusion Polymer	Belden
		R&M		
441	Signal Cable	Polycab	Skytone	Versha
442	CO2 Sensor	Honeywell	Omicron	Vishala
443	CO Sensor (Electro Chemical Gel Based)	Honeywell	Omicron	Vishala
444	Level Switch	Honeywell	Omicron	Vishala
445	Current Relay	Honeywell	Omicron	Vishala
446	DC Voltage Transducer	ABB	Honeywell	Seto
		Mosibus		
447	Multifunction Meter With Communication Port	AVK-SEGC		
448	Lux Level Sensor	Honeywell	ALC	ABB
		Omicron		
449	Differential Pressure Transmitter-Air	Honeywell	ALC	ABB
		Omicron		

450	Pressure Transmitter-Water	Honeywell	ALC	ABB
		Omicron		
451	Digital Thermostat /Humidistat	Honeywell	ALC	ABB
		Omicron		
452	LIFTS	OTIS	KONE	MISTSUBISHI
453	Quad BRI module for Video conferencing unit	LUMENS /POLYCOM /MARTIN AUDIO		
454	Plasma / LCD / LCD-LED Display Panel / TV	PANASONIC / SONY/ SAMSUNG/BOSE VIDEO WAVE		
455	Audio / Video/ Computer signal processing equipment - Switcher , Distribution amplifier , Scaler	KRAMER / EXTRON /BOSE		
456	Manual Pull down / Motorized Projection Screen	LIBERTY / DRAPER		
457	Motorized ceiling Lift	LIBERTY / DRAPER		
458	Projector Mount	ANSON/ DRAPER / LIBERTY		
459	Low noise shielded Video signal cable	KRAMER / EXTRON/ BOSE/ GOTHAM/ KLOTZ		
460	VGA to HDMI converter / scaler	KRAMER / EXTRON /BOSE		
461	Table Pop up box with VGA /HDMI/ RJ 45 / Power / Audio	KAMER / EXTRON/ MAGNUM/ BOSE		
462	VGA , BNC , RCA connector	KRAMER / NEUTRIK /BOSE		
463	Pan / Tilt / Zoom - Dome / Robotic camera	SONY / SAMSUNG		
464	Digital Twisted pair Audio / Video encoder transmitter / receiver	KRAMER / EXTRON		
465	Digital Video Recorder	SAMSUNG/ BOSCH / SONY		
466	Professional grade CD/ DVD player	TASCAM/ SONY/ PANASONIC		
467	Low noise composite video cable	KRAMER / EXTRON/GOTHAM/ KLOTZ /BOSE		
468	Digital Interactive Pen display	WACOM -JAPAN/ QOMO		
469	Wall plates with VGA / HDMI / Analog Audio	KAMER / EXTRON/ MAGNUM		
470	Skew free data cables	KRAMER / EXTRON		
471	wired/ wireless touch screen control system pack for controlling audio, video, lighting & other electrical equipment	CRESTRON/ AMX		
472	Video Wall & video wall processor	VTRON / CHRISTIE		
473	Table embedded Microphone	CROWN/ AKG/ SENNHEISER / SHURE		
474	Boundary Layer Microphone	CROWN/ AKG/ SENNHEISER / SHURE		
475	Dynamic Microphones for Vocal / Musical instrument	CROWN/ AKG/ SENNHEISER / SHURE		
476	Digital Programmable audio processor with Mic, Line input , Auto echo cancellation , auto adjustable noise threshold	BIAMP-USA / BOSE / BSS -LONDON		
477	Analog Audio mixer with pahatom power	BOSE/ AKG/ CROWN/ SOUNDCRAFT / ALLEN HEATH		



478	Automatic Feedback suppressor with programmable Fixed & Live filters	DBX/ BOSE/ SHURE
479	Automatic audio mixer with AGC , Compressor , Phantom power , Gain adjustment	AKG/ BIAMP/ SHURE/ BOSE / SOUND CRAFT / MAKIE / ALLEN HEATH
480	Loudspeaker management processor	DBX/ BOSE
481	Low noise two core speaker cable	KRAMER/ EXTRON/ KLOTZ/ GOTHAM/BOSE
482	Low noise two core audio signal cable	KRAMER/ EXTRON/ KLOTZ/ GOTHAM / BOSE
483	Professional grade patch cord for VGA / HDMI / Audio	BANDRDGE / KRAMER
484	Audio XLR / RCA / Phono/ BNC connector	NEUTRIK/ AMPHENOL
485	Servo controlled stabilizer	VERTEX / MAX
486	Dimmable Ballast - ( Analog, DALI , DSI ) for Crestron/ AMX control	OSRAM/ PHILIPS / TRIDONIC -ATCO
487	Analog to DSI converter for Dimmable Ballast	OSRAM/ PHILIPS / TRIDONIC -ATCO
488	ISI Marked casing 'n' capping	AKG/ PRECISION/ PRESTO PLAST/ POLYCAB /RICHA/ J PLAST/ PLAZA
489	FLUSH TYPE SWITCH	ANCHOR PENTA/GOLD MEDAL /KOLOR KANY.KOM/ HAVELLS
490	CEILING ROSE	ANCHOR/GOLD MEDAL /KOLOR KANY.KOM
491	2MM THICK / HEAVY RIGID PVC IS: 9537 PART - III CONDUIT	BERLIA/ AKG / PRECISION
492	PLAIN PENDENT HOLDER	ANCHOR PENTA PC CHERRY OR EQUIVALENT /GOLD MEDAL /KOLOR KANY.KOM/HAVELLS
493	BATTEN HOLDER	ANCHOR PENTA PC CHERRY OR EQUIVALENT /GOLD MEDAL /KOLOR KANY.KOM/HAVELLS
494	METAL CLAD SWITCH FUSE UNIT	HPL/ GECO / ANCHOR
495	SWITCH GEAR & PROTECTION	ABB, SCHNEIDER MG, LEGRAND, HAGER
496	SWITCH DISCONNECTOR FUSE UNIT	ABB, SCHNEIDER, LEGRAND, L&T
497	READYMADE PANEL (BOX ONLY)	LEGRAND/ L&T/ ABB/ SCHNEIDER
498	SECURITY SEARCH LIGHT	SIGMA
499	AIR CARTAIN	CROMPTON GREAVES/VEE-DEE
500	VOLTAGE STABILIZER	VERTEX/ INDO/ VENUS
501	U G CABLE (HT)	HAVELLS/ RPG/CCI/POLYCAB/ GLOSTER/ FINOLEX / NICCO
502	U G CABLE (LT)	HAVELLS/ RPG/CCI/POLYCAB/ GLOSTER/ FINOLEX / NICCO
503	TERMINAL	COMET/ DOWELLS
504	CABLE JUNCTION BOX	HENSEL/ BCH/ SINTEX
506	GALVANIZED POLE	BANSAL/SRP
507	DOL STARTER	CROMPTON GREAVES/ L& T / SIEMENS
508	SUBMERSIBLE PUMP SET	TEXMO / CROMPTON GREAVES/ CRI/ SIEMENS
509	CHANDELIER FITTINGS	JAQUAR
510	AIR CIRCUIT BREAKER	ABB EMAX/L & T U POWER/ SIEMENS 3 WL/ SCHNEIDER MASTER PACT NW
511	CABLE MANAGEMENT SYSTEM	RR EUBIQ / MK / SCHNEIDER/LEGRAND

512	EPABX	SIEMENS or equivalent
513	POWER SUPPLY UNIT	EUROPLEX/ SIEMENS/ SEMCO/ JOHNSON
514	COMPACT SUB-STATION	SCHNEIDER / ABB / CROMPTON GREAVES
515	LAN WORK	DIGILINK/ FINOLEX/ LEGRAND
516	RACK FOR LAN WORKS	APW
517	AVR	ANDREW YULE
518	DEAD BODY CABINET	BLUE STAR
519	AUTOMATION	ABB/ PHILIPS/ SCHNEIDER/ PANASONIC/ HAVELS/ LEGRAND/ HAGER
520	APFC	SCHNEIDER/ L&T/ ABB/SIEMENS/ CROMPTON
521	SOLAR POWER	MNRE APPROVED MANUFACTURER
522	CEILING FAN BOX	AKG or equivalent
523	VCB	ABB/ SCHNEIDER/ CROMPTON/ SIEMENS
<b>Air Condition Material</b>		
524	STRUCTURAL SECTION	SAIL/TATA/ ESSAR
525	FRESH AIR LOUVER	DYNACRAFT/ CARRYAIRE/ RAVISTAR
526	T.F. QUALITY EXPANDED POLYSYRENE	BEARDSELL/ TOSIBA
527	ENERGY RECOVER VENTILATOR	DRI Rotor/ EQV / TO BE APPROVED BY THE EIC /ARCHITECT
528	FLEXIBLE COUPLING	RESISTOFLEX/ FENNAR/ KANWAL
	<b>Any Missing Item</b>	<b>Prior Permission is required from Unit In charge</b>
<p><b>NOTE: All makes shall further confirm to standard specifications of each items as mentioned in technical specifications of tender documents.</b></p>		

**LIST OF MAKES FOR MODULAR PRE- FABRICATED OPERATION THEATRES  
WITH MGPS**

<b>S. No</b>	<b>Description</b>	<b>Makes</b>
1.0	Supply & Installation of Walls of SMS material (imported) as per specifications	Pnuematic-Berlin/Trumpf/Medepha-Italy / Adam
2.0	Supply & Installation of Ceiling of (imported) as per specifications	Pnuematic-Berlin/Dragger/Medepha-Italy / Adam
3.0	Planair Ceiling (Plenum box – Air Diffuser) – (imported) as per technical specification	Pnuematic-Berlin/WEISS/Medepha-Italy / Adam
4.0	Double peripheral lights-Indigenous – (cladding type OT) as per technical specification	Philips / Wipro/Hellix/Kalinga
5.0	Touch Surgeon Control Panel with screen not less 22 "– (imported) as per technical specification	Pnuematic-Berlin/Maquet/Medepha-Italy/Bender/ Adam
6.0	X-ray Viewing Screen – (cladding type OT)(Indigenous) as per technical specification	MPS/Maxon Healthcare/ADVANTECH Healthcare/ Pushpa
7.0	Static dissipative Flooring (Tile Form) – (cladding type OT)(Imported) as per technical specification	Ger floor / Tarket/LG / Armstrong
8.0	Scrub Station – (cladding type OT)(Indigenous) as per technical specification	MPS/Maxon Healthcare/ADVANTECH Healthcare/ Pushpa
9.0	Automatic Sliding Door– as per technical specification size main door 1500x2100	Metaflex/HPK/Entrematic-Italy/ Adam
9a	Automatic Sliding Door– as per technical specification size main door 1000x2100	Metaflex/HPK/Entrematic-Italy/ Adam
0.00	Writing Board with magneting system Size:- 1000x700x60 Deep made out G.P Sheet to be flushed with the wall system complete set as per enclosed tender technical specificationsl. (Indigenous)	MPS/Maxon Healthcare/ADVANTECH Healthcare/Pushpa
1.00	Cascade Pressure stabiliser having muliti 304 grade stainless steel blade to control the room air pressure .	MPS/SUPREME/ADVANTECH Healthcare/Pushpa
2.00	Srorage unit size 1666 x 865 x 350 having two shelves & Stainless steel having 5mm thick glass door & mounted flush with the theatre wall.	MPS/SUPREME/ADVANTECH Healthcare/Pushpa
13.0	Hatch Box complete set as per enclosed tender technical specificationsl.	MPS / Maxon Health Care / Supreme / Puhspa
14.00	DIGITAL DISPLAY TOUCH SCREEN size not less then 30" (WORK STATION) with steel painted outer case as per enclosed tender technical	Maquet / Medepha / Pnuematic-Berlin / Adam

	specificationsl. (imported)	
1 5.00	Electrical Wiring inside OT	KALINGA/NORTH WEST
16.00	OT Light: DOUBLE COMBINATION OT CEILING LIGHT WITH LED TECHNOLOGY -Imported European CE & US FDA marked as per technical specification enclosed	Simeon / Trumpf/ KLS MARTIN/Dr Mach
17.00	OT Table: Imported European CE & US FDA marked as per technical specification enclosed	BENQ /SIMEON/DR Mach/ Scharrer

**LIST OF APPROVED MAKE FOR MEDICAL GAS PIPELINE SYSTEM**

<b>S. No.</b>	<b>Particulars</b>	<b>Make</b>
1	Supply,Instllation testing and commissioning of Copper Piping as per technical specification <b>BS: 13348KITE MARK</b> or Lloyds Certified	Mex flow / Metal Gem / Cubex / Janya
2	Supply,Installation, testing and commissioning of Gas outlet points for Oxygen, Nitrous Oxide, Air, & Vacuum system as per technical specification NFPA-99 or HTM or ISO 7396. imported	Beacon Medaes / Delta P / Allied / Ohio
3	Matching Probe/adopter With one end suitable for Hose & other end suitable for terminal units as per technical specifications NFPA-99 or HTM or ISO 7396. imported	Beacon Medaes / Delta P / Allied / Ohio
4	Supply, Installation, testing and commissioning of Touch typeIntegrated alarm -valve box as per NFPA-99 or HTM or ISO 7396 (imported) as per tender specifications.	Beacon Medaes / Delta P / Allied / Ohio
5	supply, Installation testing and commissioning of Fully Automatic Oxygen Control System ( Improrted for Oxygen as technical specifications. NFPA-99 or HTM or ISO 7396 .imported	Beacon Medaes / Delta P / Allied / Ohio
6	Supply, Installation, Testing and Commissioning of fully Oxygen Manifold ( 20+20 ) as per technical specifications as per NFPA-99 or HTM or ISO 7396 standard (imported). The cylinders shall not be included in the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
7	Supply, Installation, testing and commissioning of 10 cylinder Emergency Oxygen Supply System as per technical specifications as per NFPA-99 or HTM or ISO 7396 standard (imported). The cylinders shall not be included in the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
8	Supply installation, testing and commissioning of oxygen flow meter (Imported )with humidifier bottle 0-15Litres, CE Marked and technical specifications NFPA-99 or HTM or ISO 7396 .imported	Beacon Medaes / Delta P / Allied / Ohio

9	supply installation testing and commission of fully automatic Gas Control Panel for Nitrous Oxide (Imported) as per technical specifications NFPA-99 or HTM or ISO 7396. imported.	Beacon Medaes / Delta P / Allied / Ohio
10	supply installation testing and commissioning of nitrous Oxide Manifold ( 4+4) as per technical specifications as per NFPA 99 standard (imported). The cylinder shall not be included on the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
11	supply installation, testing and commissioning of 4 cylinder Emergency Nitrous Oxide supply System as per technical specifications as per NFPA-99 or HTM or ISO 7396 standard (imported). The cylinder shall not be included in the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
12	supply, installation, testing and commissioning of Scroll / Screw compressors Air system as per technical specifications.NFPA-99 or HTM or ISO 7396 (imported)	Beacon Medaes / Delta P / Allied / Ohio
13	Supply installation testing and commissining of Medical vacuum plant as per technical specificatins NFPA-99 or HTM or ISO 7396. imported. .	Beacon Medaes / Delta P / Allied / Ohio
14	Suply installation testing and commissioning of Ward suction unit (Imported )with above 1000 MI sucton collection jar as per specifications and CE marked from Notified Body under Class II of the Medical Directive 93/42/EEC	Beacon Medaes / Delta P / Allied / Ohio
15	Supply installation, testing and commissioning ofTheatre Suctin Unit (imported) with 2 Nos. 2000 MI Jars as per technical specifications CE marked from Notified Body under Class II of the Medical Directive 93/42/EEC Body	Beacon Medaes / Delta P / Allied / Ohio
16	supply installation testing and commissioning of Horizontal Bed Head Panel -(imported) CE marked from Notified Body under Class II of the Medical Directive 93/42/EEC	Beacon Medaes / Delta P / Allied / Ohio / Berman
17	Single arm Ceiling Pendent for the O.T.( Imported) as per technical specification CE marked from Notified BodyCE marked from Notified Body under Class II of the Medical Directive 93/42/EEC	Beacon Medaes / Delta P / Allied / Ohio / Berman

18	Double arm Ceiling Pendant for the O.T.( Imported) as per technical specification CE marked from Notified Body under Class II of the Medical Directive 93/42/EEC	Beacon Medaes / Delta P / Allied / Ohio / Berman
19	supply, installation, testing and commissioning of compressors WAGD / AGSS ssystem per technical specifications.NFPA-99 or HTM or ISO 7396 standard .(imported)	Beacon Medaes / Delta P / Allied / Ohio
20	supply installation testing and commission of fully automatic Gas Control Panel for CO2 (Imported) as per technical specifications NFPA-99 or HTM or ISO 7396. imported.	Beacon Medaes / Delta P / Allied / Ohio
21	supply installation testing and commissioning of CO2 manifold (4+4) as per technical specifications as per NFPA 99 or HTM or ISO 7396standard (imported). The cylinder shall not be included on the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
22	supply installation, testing and commissioning of 4 cylinder Emergency CO2 supply System as per technical specifications as per NFPA 99 or HTM or ISO 7396 standard (imported). The cylinder shall not be included in the quoted price.	Beacon Medaes / Delta P / Allied / Ohio
23	S/I/T/C of MEDICAL LINE VALVE, AS PER European CE CERTIFIED from Notified Body as per Medical Directive 93/42/ECC OR UL LISTED AS PER TECHNICAL SPECIFICATIONS-	RB/RN/SIM/AUDCO/Delta P

**LIST OF APPROVED MAKE FOR PNEUMATIC TUBE TRANSPORT SYSTEM**

1	S/I/T/C of Pneumatic Tube Transport System	Pevco, Kelly System, Aerocom, MPS
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**List Of Makes for Nurse Call System**

<b>S. No.</b>	<b>Item Description</b>	<b>Makes</b>
1	Nurse Call System	Hampton / Schrack Seconet/ Rauland / ZKR / Austco/Norris/Baid Power
2	Monitor	LG / Samsung/ Sony
3	MS / GI Conduits & Accessories	As per approved makes in ELV/ Electrical section/
4	CAT6 Cables	As per approved makes in ELV section