



Noida
International Airport

TENDER DOCUMENTS

VOLUME - 3

APPENDIX - 09

EMPLOYER'S REQUIREMENTS

LIST OF RECOMMENDED MAKES / MANUFACTURERES AND RECOMMENDED SPECIALISED AGENCIES/MAJOR SUB CONTRACTORS (Revision 3)



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1. General Notes

- a) Products with relevant I.S. markings from the BIS Licensed manufacturers, who are in the market for the last three years with valid BIS License, shall be considered for approval. Only “First” quality materials shall be used.
- b) Contractor shall comply with technical specifications, list of recommended manufacturers and Employer's Requirements
- c) In case of products not indicated in this list, only BIS marked products shall be used subject to prior approval of Employer.
- d) For use of material from a BIS listed / certified manufacturer, the contractor shall furnish a copy of the valid BIS certificate to the Employer before procuring the material.
- e) In case of non-availability of any item / material among approved manufacturers / brands, alternate manufacturers / brands conforming to BIS / BS etc. shall be proposed along with required credentials for Employer's approval.
- f) Employer reserves the right to accept/reject any new brand(s) proposed by the tenderer / contractor.
- g) Samples of all materials, fittings etc. to be incorporated in the work shall be submitted by the contractor and got it approved from the Employer before supply in bulk at site of work. Wherever particular make or its equivalent is mentioned in the item schedule, the decision of the Employer in selection of particular make or its equivalent shall be final and binding on the contractor. The approved samples will be kept in custody of the Employer till completion of the work. Materials not conforming strictly to the approved samples will be rejected.



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ARCHITECTURE, INTERIOR FINISHES & FURNITURE

S. No	Description of Item	Make / Manufacturer
1	Ordinary Portland Cement	ACC Ultratech Ambuja Nuvoco JK Cement Dalmia Bharat Coromandel
2	Portland Slag Cement	ACC Ultratech Ambuja Nuvoco JK Cement Dalmia Bharat JSW
3	Portland Pazzalona Cement	ACC Ultratech Ambuja Nuvoco JK Cement Dalmia
4	White Cement	J K White Birla Super White Coromandal White Jaypee White ACC
5	Precast Solid Cement Concrete Blocks	Birla Aerocon Godrej Ultratech
6	Autoclaved Aerated Concrete (AAC) /Light Weight Blocks	Biltech Aerocon J K Blocks Wonder AAC Jindal Air AAC Blocks Birla Aerocon Ultratech XTRALITE AAC Blocks
7	Fly Ash Bricks	Aerocon Birla AEROCON HIL Hindustan Tiles Ecovision Enterprises Shreejee Tiles
8	Ready mix Plaster	ACC Ultratech Saintgobin MYK Laticrete Birla Aerocon Ramco
9	Plaster Additive	Fosroc SIKA Chemicals Pidilite MYK



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		BASF
10	Ceramic Tiles	NITCO Somany Kajaria Nitco Johnson RAK Ceramics AGL
11	Double Charged / Anti-Skid / Full Body / Exterior grade Vitrified Tiles	NITCO Somany Kajaria Johnson RAK AGL
12	Acid Resistant Tiles	Kothari Acid Proof Tiles HR Jhonson
13	Tile Adhesives & Grouts	MYK Laticrete Saintgobin Ardex Endura KERAKOLL Fosroc BASF PERMA
14	Glass / Ceramic Mosaic Tiles	Bizzaza NITCO AGL Plladio
15	Granite Stone Sealer	MYK Laticrete Saint Gobain ARDEX Endura KERAKOLL FOSROC AKEMI PROTEC SIKA
16	Floor Hardener	Fosroc Sika Pidilite MYK LATICRETE BASF
17	Vinyl Flooring	Gerflor Tarkett Armstrong Tarkett
18	Wooden Flooring	HARO BONA X PERGO TARKETT LIVING ELEMENTS SQUIREFOOT AMSTRONG LG EGO
19	Raised Access Flooring	Unitile



		UNIFLOOR™ Access Floor Kingspan Unifloor Everest Nortce TATE
20	Paver Blocks	KK Manholes PAVERS A PAVING CO. Tuftech (India) Johnson LTD. NITCO Pavers India Ecocret Cemnite Dazzle
21	Paver Tiles	KK Manholes Pavers A PAVING CO. Tuftech (India) Dazzle Pavit Nitco Craft Beton
22	Solid Aluminium Sheets	Jindal Hindalco Everlast Oralium Nalco
23	Aluminum Composite Panels (ACP)	Alucobond Rehnobond Alubond Dacs India Pvt Ltd Aludecor Alubond Alstrong
24	Polycarbonate Sheets	GE Gallina Lexan Tuflite Palram
25	Acrylic Sheets & Panels	Everest Plexiglass Palram Anadplastics
26	Epoxy Floor Coatings	Fosroc Sika Pidilite Biltech Tremco CPG India Pvt. Ltd. Nitco
27	GRC Cladding / GRC Fins	Terrafirma Development Pvt. Ltd Unistone Birla White Everest GRC Swastik
28	Insulated Aluminium Wall panel	Kingspan Jindal Hunter Douglas



29	Precast pigmented concrete panels	Ramco HIL
30	Aluminium Louvers	Jindal Hindalco Bhoruka Construction Specialities AIR Master Hunter Douglas Kalco
31	Carpets	Milliken Interface Mohawk Brinton
32	HPL Cladding	Funder Max Virgo Merino Greenlam Trespa
33	Fibre cement board	Shera USG Boral Saint Gobin Everest Visaka Ramco Gyproc Sheraboard
34	Backpainted glass	Saint GOBIN Asahi Saftey Glass Lacolam Glasdecor
35	Acrylic solid surface	DU-PONT Hanex Denolex LG Samsung Merino
36	Glass Partition System	SAINTGOBIN Asahi Dormakaba Ozone JEB Partition System GEZE
37	Decorative films / Graphic films	3M Garwara Avery Dennison
38	Sliding Folding Movable Wall System	Hafele Dorma IR Haffele Geze Ozone
39	Stainless Steel (Plates, Tubes, Angles & Other Sections)	Jindal Grand Metal Corporation



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		Salem Steel Industries Sail Indalco
40	Stainless Steel Sheets	Jindal Grand Metal Corporation Salem Steel Industries SAIL
41	Rolling Shutters	Gandhi Automation PVT. LTD Avians Empire Swastik Standard Automation
42	Extruded Aluminium Sections for Doors / Windows / Structural Glazing	Jindal Hindalco Bhoruka Nalco Indalco Banco
43	Glass (relevant code BS 952 & Selection as per AS 1288)	Saint Gobain Glass Guardian Pilkington Asahi Piramal Glass
44	Neoprene gaskets / pads / bearings	AMEE Rubber Osaka Eltech Metco Bohra Rubber Indian Gasket Killic Nixon Ltd
45	Structural & Weather Sealant – Silicone Sealant	SIKA Dowcorning Momentive Tremco BASF Perma Fosroc Kryton
46	Double sided tape	3M Tremco Gorilla Xfasten
47	Dry Wall Partitions	Saint Gobin USG Boral Amstrong Lafarge JEB Partition System
48	Mirrors	SAINT Gobin Asahi Modiguard Kohler
49	Sliding & Swing Glazed Doors /Bi-Parting Doors	Dormakaba Ozone Geze



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		Gandhi Automation Pvt Ltd Toshi Automation
50	Flush / Paneled Door Shutters	Merino Greenply Century Kutty Archid Godrej Anchors Kanchanply Durian Kenwood
51	Marine Grade Block Board for Doors	Merino Greenply Century Duro Archiply Kenwood Anchors
52	Plywood (Commercial / Marine Grade)	Merino Greenply Century Ply Duro Archiply Anchor Kenwood National Plywood Kit Ply Archid Ply
53	MDF Boards	Action Tesa Merino Dura Tuff Nuwood Century Plywood India Ltd. Greenply Anchor Kenwood Nuchem
54	Particle Boards (Plain / Veneered / Pre-laminated)	Greenlam Century Merino Action Tesa Bajaj Duratough
55	Laminates	Merino Century Laminating Co. Ltd Greenlam Century Mica Somani Durian Formica Kit Ply Sunmica
56	Veneers	Century



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		Greenlam Durian Uniply Euro Archid Ply Anchor Donear
57	Wooden Fire Rated Doors	Promat Signum Navair International Pvt. Ltd Kutty Bhawani Fire Protection Pvt. Ltd. Tata Pravesh Kenwood ZAK
58	Pressed Steel Frames for Doors / Windows	Bhawani Fire Protection Pvt. Ltd. Navair International Pvt. Ltd Shiv Shakti Fabricators Well Door Engineers Sehgal Doors Shakti Metal Doors NCL Seccolar Apollo Prajapati Steel Fenesta SKS Steel
59	Plain (Non-fire Rated) Steel Doors	Bhawani Fire Protection Pvt. Ltd. Navair International Pvt. Ltd Shiv Shakti Fabricators Well Door Engineers Shakti NCL Seccolar Senharvic . Fenesta
60	Fire Rated Steel Doors	Shakti MET Bhawani Fire Protection Pvt. Ltd. Promat Signum Navair International Pvt. Ltd Tata Pravesh Godrej RDG Engineering
61	Stainless Steel Hardware Fittings for Doors & Windows	
61.1	Indian Makes	Geze Dorma Hettich Kich Doorset Hemko Sterling
61.2	Imported Makes	Assa Abloy CARL-F Dormakaba Geze



		Ingersollrand
62	Hydraulic Overhead Door Closer	Geze Dorma Ozone Doorset Hafele Ingersollrand
63	Floor Springs	Geze Dorma Ozone Godrej Doorset Enox
64	Patch Fittings	Geze Dorma Ozone Hafele Kich Dorset Enox
65	Panic Exit Devices	Geze Dorma Ozone Ingersollrand Yale Enox
66	Kitchen Accessories	Kich Godrej Sleek Hafele
67	Water Repellent Coatings	Dowcorning Laticrete Kerakoll Ardex Endura Kryton Pedelite Mapei Fosroc Perma
68	Glasswool Insulation	UP Twiga Rockwood India Lloyds Insulation Indian Glasswool Industries Twiga
69	Stonewool Insulation	Lloyds Insulation Unidus
70	Acoustic Non-woven Fabric	Hunter Douglas Soundtex Fibertex
71	Fire Stops	Hilti Fisher 3m Dormakaba Dow Corning



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72	Mineral Fibre False Ceiling	Saintgobin USG Boral Armstrong Sonex
73	Metal Ceiling (Baffle / Strips / planks / Tiles)	Saintgobin USG Boral Armstrong Hunter Douglas Durlam Lindner Jitex
74	Calcium Silicate False Ceiling	HILUX Ramco Industries Ltd USG Boral Aerolite Jaitex
75	Gypsum Board Ceiling	Saintgobin USG Boral Amstrong Lafarge Indian Gypsum
76	Plastic / Acrylic Emulsion Paint & Oil Bound Distemper	Berger Asian Nerolac Novafine ICI Dulex Jotun ICI
77	Synthetic Enamel Paint	Berger Asian Paints Nerolac Novafine ICI Dulex Spectrum Shalimar
78	Exterior Grade Textured Paints	SKK Ultra Asian Paints Spectrum OIKOS Heritage Texture Paint Dulux Berger German Paints
79	Interior Grade Textured Paints	SKK Oikos Zolatone Jotun Asian Paints Dulux
80	Epoxy & Polyurethane Paints / Coatings	Fosroc SIKA Chemicals Pidilite Asian Paints ICI



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		Berger MRF Jotun Garwara
81	Anti-Carbonation Paints	Berger OIKOS Asian Paints Nerolac Akzonobel Jotun
82	Fire Retardant (Intumescent) Steel Protection System	Akzonobel Jotun Asian Paints (PPG) Neukem Protexion
83	Fire Retardant (Cementitious / Vermiculite) Steel Protection System	Neukem Promet INSL-X
84	Food Grade Paint / Coatings	Fosroc Sika Chemicals Pidilite Asian Paints Flowcrete Berger Fakolith Jotun
85	PVDF coating / Polyester Powder Coatings	Jotun Akzonobel Asian Paints
86	Melamine Polish	Timbertone ICI Dulux MRF Wudfin Asian Paint Jotun Akzonobel
87	Tensile Fabric	Serge Ferrari Novell Polycoaters LOW & BONAR Sioen Mehler Technologies ENCON ANCON APIL IMPEX Taiyo
88	Stainless Steel Railings	Q-LINE Façade One VIVA Define Ozone Kich Jindal Kalco Dormakaba



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		CARL-F
89	Roller Blinds	Hunter Douglas Louverline Grorich Johnson Blinds Kent International Vista
90	UPVC Pipes	Finolex Supreme Prince
91	Modular Toilet Cubicles	Merino Greenlam SIOF
92	Fixed Airport Tandem Seating	Vitra Kusch & Co Zoeftig
93	Chair	Wipro Godrej Featherlite Durian Ergosphere
94	Modular Furniture	AFC Alankaram MM Design Haworth Steelcase Wipro Godrej Featherlite Durian Ergosphere Spacewood Amardceep B P Ergo
95	Sofa	Featherlite Wipro Godrej Durian Idus
96	Entrance matting system	3M Pedemat Euronics Construction Specialities
97	Sanitary Fixtures	Euronics Bobrick D-LINE Duravit Kohler Roca Gebritte Jaquar
98	Plumbing Fixtures & Fittings	Euronics Gebritte Kohler Bobrick



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99	Signages	3M Averydenison D-Line Philips Signage GLO-LINE X-Line Prolite Technoware
100	Plaster Mesh	Arpita or equivalent
101	Water Proofing	Fosroc Pidilite Sika Chemicals Asian MYK Laticrete
102	Expansion Joint	Sanfield Vexcot Hercules
103	Tactile Tiles	Eminent Oversease Ved Technocast
104	Wallpaper	Mayaramanoff Arte Durafort Muraspec Newmor Lintex
105	Acoustics Polyester Wadding	Nowofill Gyptech Vibrant Teknik
	Acoustic Fabric Panels	Himalya Acoustic Gyptech Ecophone
	Ceiling Tiles	Rockfon Ecophon Gyptech
	Metal Perforated Tile	Harsons Durlum SAS
	Visco Elastic Layer	Tecsound of Soperma
	Gi Framing	ST Gobain Gyptech Lafarge
	Acoustic Glass	Asahi ST Gobain
	High Nrc Ceilings	Rockfon Echophon
	Plywood	Century Duro Merino Greenlam
Insureflector	Supreme Armaflex	



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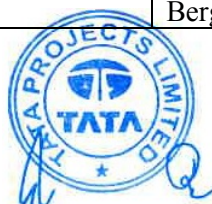
STRUCTURAL WORKS

S. No	Description of Item	Make / Manufacturer
1	Ordinary Portland Cement	Ultratech Cement ACC Cement Dalmia Cement
2	Portland Slag Cement	Ultratech Cement ACC Cement Dalmia Cemnt
3	Portland Pazzalona Cement	Ultratech Cement ACC Cement Dalmia Cemnt
4	Concrete Admixtures	Sika Fosroc CICO Pidilite
5	Ready Mix Concrete	ACC Cement Ultratech Cement JK Super
6	Mechanical / Chemical Anchor Fasteners	Hilti Fischer
7	Non Shrink Grout	Sika Fosroc CICO Pidilite
8	Concrete Admixtures	Sika Fosroc CICO Pidilite
9	Polysulphide Sealant	Sika CICO Fosroc Pidilite MBCC (BASF)
10	High Tensile bolts	Hilti GKW Fischer Unbrako
11	Virgin Polypropylene Fibres	Forta Econet (JBACS) Fosroc Saint Gobin
12	LDPE Sheet	Everest Polymers Premier Polyefilm
13	Steel Reinforcement (HYSD/TMT Bars)	SAIL RINL Tiscon Jindal
14	Structural Steel (Rolled Sections conforming to BIS: 2062)	SAIL RINL Jindal Tata-Steel



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15	Structural Steel (Tubular Sections conforming to BIS: 4923)	SAIL APL APOLLO TUBES Jindal Tata-Steel
16	Expansion Joints (Thermal/ Seismic) system with covers & Trims	Construction Specilties Expansion Joint Vexcolt Migua Inpro Sanfield
17	Fire Stops	3M India Ltd. Dow Corning Dorma
18	Mechanical Splicing Couplers	Sanfield Parex-Davco Masterflow
19	Spherical Bearing	Sanfield Migua
20	RCC Hume Pipes	Jain Spun Pipe Industries Shri Ram Concrete Products
21	Precast Solid Cement Concrete Blocks	Prayosa KJS Concrete Pvt Ltd.
22	Fly Ash Bricks	HIL / Aerocon Sand Plast India Ltd.
23	Autoclaved Aerated Concrete (AAC) /Light Weight Blocks	Siporex India Pvt.Ltd. Biltech Building Elements Ltd JVS Comatsco Pvt.Ltd.
24	Light Weight Wall / Roof panels	JVS Comatsco Pvt.Ltd. Hyderabad Industries Ltd. Siporex India Pvt.Ltd.
25	Plaster Additive	Fosroc Laticrete MBCC (BASF)
26	Ready mix Plaster	Ramco Roofit Ultratech Cement Ltd. Birla Aerocon (HIL)
27	Integral Waterproofing compound	Sika Mapei Fosroc MYK Schomburg
28	Crystalline Waterproofing Systems	Chryso MYK Schomburg Fosroc Mapei
29	Acrylic Polymer Modified Waterproofing System (For wet areas such as toilets, sumps water tanks etc.)	MBCC (BASF) SIKA Mapei
30	Membrane Waterproofing System	FOSROC MBCC (BASF) SIKA
31	Re-inject able hose system	SIKA FOSROC
32	Epoxy & Polyurethane Paints / Coatings over Structural Steel Works	Garware Berger



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		Jotun MRF
33	Fire Retardant (Intumescent) Steel Protection System	Akzonobel Jotun
34	Fire Retardant (Vermiculate) Steel Protection System	Promat Berger Paints
35	Water Stops - Hydrophilic Swellable rubber strip (Not bentonite type)	Fosroc MBCC (BASF), SIKA
36	Floor / decking sheets	Tiger steel JSW Lloyds Steel TATA BLUESCOPE



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ROOFING SYSTEM

S. No	Description of Item	Make / Manufacturer
1	Structural Steel (Rolled Sections conforming to BIS: 2062)	Jindal TATA SAIL Kamdhenu Ltd.
2	Structural Steel (Tubular Sections conforming to BIS: 4923)	Jindal TATA SAIL
3	Glasswool Insulation	Lloyds Insulation Indian Glasswool Industries Twiga
4	Stonewool Insulation	Lloyds Insulation Unidus
5	Aluminium Standing Seam Roofing System	Kalzip Kingspan
6	Pre-coated profiled G.I. / Galvalume / Zinalume sheets	TATA Bluescope JSW Lloyd Insulations Multiclad Tiger Steel Accord Creations ArcelorMittal
7	C.G.I Sheets	Everest SAIL Tisco
8	Acoustic Non-woven Fabric	Hunter Douglas Soundtex Fibertex
9	Underdeck Insulation	Dr.Fixit BSF Perma
10	Overdeck Insulation	Lloyd Insulations Insu Board Owens corning
11	Fall Arrest System	Latchways Frog-line Innovatix
12	Roof Hatch System	Kingspan Vijaynath Iqubx
13	Tensile Fabric	Serge Ferrari India Pvt. Ltd. Low & Bonar Taiyo Sioen Mehler Technologies ENCON ANCON APIL IMPEX Novell Polyecoaters
14	Polycarbonate Sheets	Lexan Tuflite



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		Palram
15	Acrylic Sheets & Panels	Anand Plastics Asociated Plastics Acrypoly ASI Pioneer Acrylics



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FACADE SYSTEM

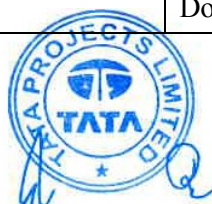
S. No	Description of Item	Make / Manufacturer
1	Aluminium	Jindal Bhourka Hindalco Global Indalco Banco
2	Reflective Glass	SaintGobain Guardian Pilkington Asahi
3	Clear Float Glass	SaintGobain Asahi
4	Fire Rated Glass	SaintGobain Pilkington Schott Pyroguard
5	Glass Processing	SaintGobain GlassTech FG Fuso Asahi Impact Safety
6	PVB Lamination	Dupont Saflex
7	SGP Lamination	Dupont
8	Weather Sealant	DowCorning Sika Momentive (GE Sealants) Soudal FOSROC Hengda
9	Structural Sealant	DowCorning Sika Momentive (GE Sealants) FOSROC Hengda
10	ACP	Alpolic Alucobond Alubond Alstrong Aludecor Viva ACP Alstrong
11	Solid Aluminium Sheet	Jindal Novelis Hindalco Everlast Oralium NALCO
12	Expansion / chemical Anchor Fastners	Hilti Fischer



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		Mungo MKT
13	Anchor Channels	Halfen Hilti Jordhal
14	Cast in Channel	Halfen Hilti Jordhal
15	EPDM & Silicon Gasket	Amee Rubber Osaka Eltech / Hanu
16	Powder Coating	Jotun Akzonobel
17	PVDF Coating / Polyster powder	Valspar PPG Akzonobel Asian paints Jotun
18	Powder & PVDF Processer	SP Coating MJ Coaters Aura International JK Group Lakshmi
19	Spacer Tape (Open PU Cell)	Norton Pentagon BOW
20	Glass wool (Insulation)	UP Twiga Lloyds insulation Indian Glasswool industries
21	Rock wool (Fire Stop)	Hilti 3M Dormakaba Dow Corning Ficher Rockwool India
22	Smoke Seal Intumuscent	Dow Corning Hilti Sika Momentive
23	Baker Rod	Supreme Industries
24	Spider	Dorma Kinglong Ozone
25	Patch Fitting	Dorma Geze Ozone Hafele KICH
26	Automatic Slidding doors	Dorma Geze Record
27	Revolving Doors	Dorma



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		Record
28	SS Clamps/Undercut (Stone cladding)	Hilti ACT Keil Vlick
29	Mild steel	Jindal Sail
30	Stainless Steel Sections	SAIL Jindal Indalco Salem Steel
31	Stainless steel sheets	Jindal SAIL
32	Façade Systems	SAPA Schueco Kawneer EFP
33	Anodizing	Dow Chemicals
34	Honey Comb Panels	Sarey
35	SS Friction Hinges	Giesse Cotswold (UK) Securistyle
36	Multipoint Locking sets	Giesse Lavaal Alualpha
37	Handle	Giesse Lavaal Alualpha
38	Rollers for Slidings	Giesse Lavaal Alualpha
39	Flush lock for Slidings	Giesse Lavaal Alualpha
40	Wool Pile with Silent Film	Schlegel
41	Windows Hinges	Giesse Lavaal Alualpha
42	Doors Hinges	Giesse Lavaal Dr Hahn Alualpha
43	Fire door Fittings	Dorma Savio
44	Panic Devices / Hinges	Dorma Savio
45	Fire Stops	Hilti 3M



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		Dormakaba Dow Corning Fischer
46	Stone wool	Llyods insulation Unidus
47	Neoprene gaskets / pads / bearings	Metco Bohra Rubber Indian Gasket Killic Nixon ltd. Amee rubber
48	Louvers	Construction Specialities Air Master Hunter douglas
49	Bolt Screw	HILTI Fischer LPS & GKW
50	Double sided tape	3M TREMCO Gorilla Xfasten
51	Architectural Coating	SKK stone coating KA Architectural coating



K P

Electrical

S. No	Description of Item	Make / Manufacturer
1	220KV GRADE XLPE CABLES	BRUGGS CABLES NEXANS PHELPS DODGE HITACHI CABLES UNIVERSAL CABLES CCI KEC
2	TERMINATION & JOINTING KITS	ABB NEXANS PFISTERER TYCO RAYCHEM 3M
3	220kV OUTDOOR CIRUCIT BREAKER	ABB L&T SIEMENS SCHNEIDER
4	220KV DISCONNECTING SWITCHES	GR POWER SWITCH GEARS SIEMENS SOUTHERN SWITCHGEAR
5	220KV LIGHTNING ARRESTORS	CGL OBLUM LAMCO
6	220KV & 33KV GIS	ABB L&T SIEMENS SCHNEIDER GE
7	EHV OUTDOOR CURRENT TRANSFORMER	ABB L&T SIEMENS SCHNEIDER CROMPTON GREAVES
8	EHV OUTDOOR VOLTAGE	ABB



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	TRANSFORMER	L&T SIEMENS SCHNEIDER CROMPTON GREAVES
9	CONTROL AND RELAY PANEL	ABB ASLTOM AREVA BHARAT BIJILEE SIEMENS CGL
10	POWER TRANSFORMER (UPTO 100MVA, 220KV/33KV CLASS AND 33KV/11KV CLASS)	BHARAT HEAVY ELECTRICAL LTD VOLTAMP T&R ABB INDO TECH TRANSFORMERS IMP POWERS LTD BHARAT BIJLEE
11	DISTRIBUTION TRANSFORMER (OIL TYPE)**	BHARAT BIJLEE KIRLOSKAR CROMPTON ABB BHEL SIEMENS VOLTAMP Sudhir Power Ltd Essennar Raychem DTPL Telwaane
12	DRY TYPE TRANSFORMER**	ABB VOLTAMP DANISH KOTSON SIEMENS Sudhir Power Ltd Essennar Raychem DTPL



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		Telwaane
13	DG ENGINE	VOLVO PENTA CUMMINS CATER PILLAR PERKINS MTU
14	DG ALTERNATOR	STAMFORD LEROY SOMMERS CROMPTON GREAVES KEC
15	NEUTRAL GROUNDING RESISTANCE	CUTLER HAMMER NATIONAL PIONEER ELECTRICALS OHMARK RESITECH
16	SCADA	ABB SIEMENS SCHNEIDER HONEYWELL GE ROCKWELL
17	COMPACT SUBSTATION (CSS)**	ABB SCHNEIDER SIEMENS L&T C&S AMBIT SUDHIR POWER
18	11 KV HT VCB/RMU**	ABB SCHNEIDER SIEMENS L&T <u>System Integrator Make</u> Tricolite (LV-Schneider & HT-ABB), Advance Panels (L&T and Siemens), SPC Electrotech (L&T), Adlec (Siemens and Schneider) and AMBIT (LV-Schneider & HT- ABB)



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		TECHNOCRAFT MARINE NEPTUNE
19	33KV AND 11 KV H.T. CABLE (XLPE, FRLS)**	KEC-RPG POLYCAB GLOSTER FINOLEX GEMSCAB NICCO DUCAB UNIVERSAL RAVIN CABLE KEI APAR BONTON
20	DC BATTERY CHARGER	EXIDE LOGICSTAT CHHABI ELECTRICALS AMARARAJA EMERSON BORRI EXIDE HBL STATCON
21	UPS (PARALLEL REDUNDANT)**	APC EMERSON (Vertiv) REILLO PCI Numeric SOCOMEC ABB EATON FUJI DELTA
22	SERVO STABILIZER, INVERTER	BHEL L&T NGEF SIEMENS TATA LIBERT



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		<p>ENERTECH APC DUBAS AMARON LUMINEX MICROTEK SUKAM</p>
23	VALVE REGULATED Lead Acid (VRLA) BATTERY	<p>PANASONIC HBL ENERSYS AMCOSAFT EXIDE AMAR RAJA</p>
24	CENTRAL BATTERY SYSTEM FOR EMERGENCY LIGHTING	<p>EATON ABB SCHNEIDER TECHNOWARE</p>
25	MAIN LT PANELS, SMDB (IEC 61439 COMPLIED FORM 4B) – Compact type**	<p>ABB (ArTuk) SIEMENS (Sivacon) SCHNEIDER (Blockset) L&T (Ti)</p> <p><u>System Integrator Make</u> Tricolite (LV-Schneider & HT-ABB) , Advance Panels (L&T and Siemens), SPC Electrotech (L&T), Adlec (Siemens and Schneider) and AMBIT (LV-Schneider & HT- ABB) NEPTUNE (LV-ABB) TECHNOCRAFT MARINE</p>
26	LT Panels (Form 3B) , MCC , Form 2B- Compact type**	<p>Schneider ABB Siemens L&T</p> <p><u>System Integrator Make:</u> Tricolite (LV-Schneider & HT-ABB) ,</p>

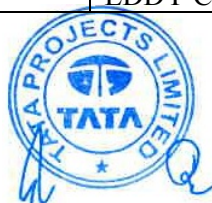


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		Advance Panels (L&T and Siemens), SPC Electrotech (L&T), Adlec (Siemens and Schneider) and AMBIT (LV-Schneider & HT- ABB) NEPTUNE (LV-ABB) TECHNOCRAFT MARINE
27	ACB	ABB(Emax) SIEMENS (3WL) SCHNEIDER (NW) L&T (Omega)
28	MCCB	SIEMENS (3VL) L&T (DSINE) ABB (TMAX) SCHNEIDER (NSX) LEGRAND (DPX3)
29	MPCB, CONTACTOR , ISOLATORS	L&T SIEMENS SCHNEIDER ABB LEGRANDS
30	STARTERS	SIMENS CROMPTON L&T ABB GE SCHNEIDER INDO ASIAN
31	BUS DUCT (SANDWICH), & TAP-OFF BOX**	ABB LEGRAND SCHNEIDER SIEMENS L&T GODREJ & BOYCE C&S EAE ENTRACO

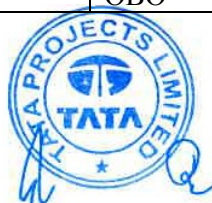


		ANANT POWER
32	DISTRIBUTION BOARDS with MCB / RCBO / RCCB / RCBO / ELCB	ABB (S-Series) LEGRAND (Ekinox 3) SCHNEIDER (Acti-9) SIEMENS (Beta-Guard) INDOASIAN (Optipro)
33	LT (1100V) XLPE INSULATED CABLES**	POLYCAB FINOLEX GLOSTER RAJNIGANDHA UNIVERSAL GEMSCAB DUCAB KEI APAR BONTON RAVIN KEC-RPG
34	CABLE TRAY (LADDER TYPE / PERFORATED / WIRE MESH)	OBO SLOTCO LEGRAND MK MEM ANANT POWER
35	CABLE TRAY SUPPORT SYSTEM	OBO BETTERMANN SLOTCO LEGRAND MK MEM ANANT POWER
36	ELECTRICAL ACTUATORS	AUMA MARSH ROTARK SIEMENS EMTORK
37	EOT CRANE & HOIST	HERCULES ELECTROMECH EDDY CRANES



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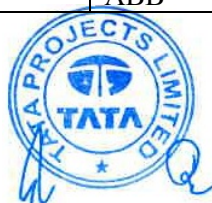
		WH BRADY CONSOLIDATED HOIST
38	CT & PT (33KV & 11KV)	ABB ALSTOM CGL KAPPA PRAGATI
39	CT & PT (415V)	ASHMOR KAPPA PRAGATI ABB SIEMENS SCHNEIDER L&T GILBERT & MAXWELL ADVANCE PRECISE MATRIX
40	MEASURING INSTRUMENTS	FLUKE RISHABH KRYCARD YOKOGAWA
41	SPD (SURGE ARRESTER)	SCHNEIDER L&T ABB PHONEIX DEHN
42	LIGHTNING PROTECTION SYSTEM (CONVENTIONAL)	DEHN ABB ERICO SCHIRTEC JMV
43	MAINTENANCE FREE EARTHING	ERICO DEHN SOUTH ASIAN ENTERPRISES LIMITED ABB JMV OBO



K 9



44	METERS (ANALOG)	MECO RISAHBH NIPPEN CONSERVE SIMCO L&T SIEMENS
45	METERS (DIGITAL)	SCHNEIDER ABB SIEMENS L&T SOCOMEK
46	ENERGY METER (MFM)	SCHNEIDER ABB SIEMENS L&T NEPTUNE HPL SOCOMEK
47	DIGITAL METER (PREPAID)	CRYSTAL SECURE METER XENIUS RADIUS GENIUS
48	LOAD MANAGER	SCHNEIDER ABB SIEMENS L&T NEPTUNE SOCOMEK
49	METERING KIOSK	ABB PRAGADI TRANSVOLT TRANSDelta JAIN ELECTRICAL
50	NUMERIC PROTECTIONS RELAYS	SIEMENS SCHNEIDER ABB



K 9



		L&T GE
51	INDICATING LAMPS	SIEMENS SCHNEIDER ABB L&T
52	VARIABLE FREQUENCY DRIVE (STAND ALONE PANELS)	ABB SIEMENS ALLEN BRADLEY ALSTOM DANFOSS HONEYWELL
53	ELECTRIC MOTORS	ABB CROMPTON KIRLOSKAR SIEMENS BHARAT BIJLEE BHEL GE
54	ELECTRIC TIMER	SIEMENS LEGRAND ABB SCHNEIDER L&T
55	INDOOR LED LIGHT FIXTURES	PHILIPS (Signify) ENDO OSRAM WIPRO HAVELLS IGUZZINI LED LINEAR LIGHTNET WILA GLAMOX DELTALIGHT XAL REGENT



K 9



		COLORKINETICS
56	OUTDOOR LED LIGHT FIXTURES	PHILIPS (Signify) ECOLINK OSRAM DISANO BAJAJ WIPRO GE HAVELLS ENDO IGUZZINI
57	EMERGENCY LIGHTING FIXTURES	PROLITE EATON ACCULITE INSTAMARK TECHNOWARE
58	LIGHTING SENSORS	LUTRON HONEYWELL CRESTON HELVER ZUMTOBEL SCHNEIDER PHILIPS ENDO OSRAM WIPRO HAVELLS
59	DIMMERS & CONTROLS	LUTRON HONEYWELL CRESTON HELVER ZUMTOBEL SCHNEIDER PHILIPS ENDO OSRAM WIPRO



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		HAVELLS
60	LANDSCAPE LIGHTING FIXTURES	DIVINITY HYBEC UNINLAMP EUROLITE IGUZZINI LUMENPULSE GLAMOX PHILIPS (Signify) HAVELLS
61	SMART LIGHTING	PHILIPS HAVELLS SCHNEIDER LIGMAN HESS
62	LT CAPACITORS & APFC RELAY	ABB L & T EPCOS SCHNEIDER ELECTRIC
63	GI OCTAGONAL POLE & HIGH MAST	PHILIPS CROMPTON BALAJI VALMONT TRANSRAIL
64	SMART POLE	PHILIPS HAVELLS SCHNEIDER LIGMAN HESS
65	CONNECTORS (COLOURS AS PER PHASE & NEUTRAL)	WAGO PHOENIX CONTACT CONNECTWEL
66	CEILING FAN	CROMPTON (ENERGION) ORIENT (HECTOR 500) HAVELLS (EFFICIENCIA PRIME) USHA (ENERGIA)
67	ROTARY SWITCH	SIEMENS KEYCEE



K 9



		SALZER L&T SIMCO IMP AUTOMATIC GEC MECO AE CONSERVE
68	PUSH BUTTON AND PUSH BUTTON SET	SIEMENS SCHNEIDER ELECTRIC L & T
69	SELECTOR SWITCH	KEYCEE SALZER Havells Siemens ABB L&T
70	INDICATION LED LAMP	SCHNEIDER ABB L&T SIEMENS C&S
71	LUGS	3M RAYCHEM CABSEAL DENSON DOWELLS COMET COSMOS
72	BIMETALLIC LUGS	3M RAYCHEM CABSEAL DENSON DOWELLS COMET COSMOS
73	CABLE GLAND	3M



K 9

		RAYCHEM CABSEAL DENSON DOWELLS COMET COSMOS
74	HDPE PIPE	FINOLEX SUPREME DURALINE
75	CABLE CLAMP	DOWELLS COMET COSMOS 3M RAYCHEM CABSEAL DENSON
76	PVC CONDUITS AND ACCESSORIES	BEC AKG POLYPACK PRECISION ATUL PIPE
77	M.S. / GI CONDUIT AND ACCESSORIES	BEC AKG RMCON ATUL PIPE SUPER SALES CORPORATION
78	MODULAR SWITCHES, SOCKETS & OTHER ACCESSORIES	LEGRAND-MYRIUS SCHNEIDER-ZENCELO MK-ELEMENTS CRABTREE-MURANO
79	PVC TAPE	STEEL GRIP ISI APPROVED
80	METAL CLAD SOCKET WITH MCB	LEGRAND SCHNEIDER HANSEL SIEMENS MK
81	INDUSTRIAL SOCKET	SIEMENS

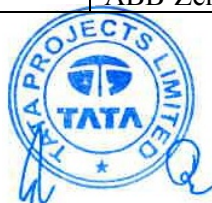


	OUTLETS	SCHNEIDER LEGRAND HANSEL MK
82	PVC JUNCTION BOX OUTDOOR & INDOOR	HENSEL CLIPSAL PHOENIX
83	WIRES FOR INTERNAL WIRING	FINOLEX GLOSTER POLYCAB RAJNIGANDHA GRANDLAY DUCAB
84	TERMINAL BLOCKS	CONNECT WELL ELMEX WAGO PHONEIX
85	ACCESSORIES FOR SUPPORTING SYSTEM	HILTI FISHER HIRA 3M
86	INSULATING MATS	DL MILLER & CO PREMIER POLYFILM LTD RMG POLYVINYL INDIA LTD
87	FIRE SURVIVAL CABLES**	POLYCAB RAJNIGANDHA GEMSCAB GLOSTER FINOLEX BATRA HENLAY DUCAB KEI APAR BONTON UNIVERSAL KEC-RPG RAVIN
88	FIRE SEALANT & PAINT	HILTI



K 9

		3M
89	SEISMIC SUPPORTS	RESISTOFLEX GRIPPLE HILTI EASY FLEX EATON AXA XL
90	CONTROL CABLE**	POLYCAB FINOLEX GEMSCAB RAJNIGANDHA GLOSTER KEI APAR BONTON RAVIN UNIVERSAL KEC-RPG
91	TELEPHONE CABLE	CALIPLAST EMINENT POLYCAB HAVELLS FINOLEX
92	COAXIAL TV CABLE	CALIPLAST EMINENT POLYCAB HAVELLS FINOLEX
93	SIGNAL CABLE	ENERCON LAPP INDIA EMINENT CALIPLAST
94	AUTO TRANSFER SWITCH (ATS)	SOCOMEK LEGRAND SCHNEIDER ASCO ABB-Zenith



K 9

		SIEMENS - RUSSEL ELECTRIC
95	FLOOR TRUNKING	MK LEGRAND SCHNEIDER MEM ANANT POWER
96	FLOOR JUNCTION BOX	MK LEGRAND SCHNEIDER MEM ANANT POWER
97	FIRE BARRIER	OBO BETTERMANN HILTI 3M
98	DATA SWITCH	CISCO IBM SIEMENS HP AVAYA
99	CAT-6A	D-LINK AVAYA TYCO MOLEX LEGRAND
100	EPABX	NORTEL SIEMENS ALCATEL NEC MATRIX PANASONIC
101	FIBER OPTIC CABLE	DIGI LINK STERLITE HFCL FINOLEX LEGRAND
102	ANTENNA SYSTEM	KAVVERI TELECOM CELLCOMM
103	CO-AXIAL FEEDER CABLE	BELDEN



K 9

		COMMSCOPE KAVVERI TELECOM CELLCOMM
104	COUPLER / CONNECCTORS	COMMSCOPE KAVVERI TELECOM CELLCOMM
105	DAS/CPMI ACTIVE UNIT	ZINWAVE NOKIA SIEMENS COMMSCOPE
106	TMR AMPLIFIFER	AXELL WIRELESS MOTOROLA NOKIA SIEMENS
107	TRUNK MOBILE RADIO	MOTOROLA SAMSUNG
108	AIR CRASH BARRIER	SAHYADRI ELECTRO CONTROLS
109	MUSHROOM TYPE PUSH BUTTON	TEKNIC SCHNEIDER SCHMERSAL BCH ELECTRIC
110	AUDIO /VISUAL ANNUNCIATOR	SAHYADRI ELECTRO CONTROLS
111	External Hooter	FEDERAL SIGNAL
112	Hot Line Phones	AVAYA NEC MATRIX
113	UVSS	GODRAJ
114	Relay ELV	OEMRAN PLA RELAYS
115	PAINT	NEROLAC ASIAN PAINTS DULUX ACRO
116	ANY OTHER ITEM	For non-listed items, contractor will submit the sample of the product to assure the quality of the product. After getting the approval of the non-listed item, contractor will supply the item.

Note: ** Makes suggested by Contractor shall meet the technical requirements, specifications,



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codes and standards and shall ensure fit for purpose Works.

Bidder shall propose only 3 makes from the above system integrator list of makes. Employer shall select any one of the make final list proposed by the Bidder. Vendor approval shall be based on the records/credentials furnished by the Bidder.

- Following are approval criterion shall be adapted.
- CPRI/CBPC/ERTL/ISA/ERDA or equivalent State/Central Government Agencies approvals, not earlier than last Five years.
- Approval of the Works from the State Licensing Authority.
- Nomenclature/Capacity Range of the Product to be mentioned clearly.
- Valid Calibration Certificates of the Instruments being used for the measurement of respective parameters during internal testing.
- Factory Internal Test and Quality Procedures.
- Copies of PO bagged from Government/Private agencies, not later than, in last Five years.
- Copies of Test Reports/Factory Acceptance tests duly signed by End Users/Clients
- Satisfactory Performance Certificate, after the Product has been commissioned.
- Authorization Letter to supply & commission, wherever applicable, from original Equipment Manufacturer (OEM).
- All documents to be self-attested and sealed by the Supplier, duly compiled with the Index Folder



FIRE PROTECTION AND ALARM SYSTEM

S. No	Description of Item	Make / Manufacturer
Fire Protection		
1	VALVES (ISOLATION)	INTERVALVE LEADER SANT ZOLOTO RAPIDROP TYCO VIKING VICTAULIC
2	FIRE PUMP	KIRLOSKAR MATHER & PLATT ARMSTRONG PENTAIR ITT <u>KSB</u> <u>LUBI</u>
3	ELECTRICAL MOTORS	KIRLOSKAR SIEMENS/ ABB CROMPTON GREAVES <u>KSB</u> <u>LUBI</u>
4	DIESEL DRIVEN ENGINE	KIRLOSKAR CLARKE GREAVES MATHER & PLATT KSB Cummins
5	DE-WATERING	KIRLOSKAR KSB GRUNDFOSS MATHER & PLATT
6	FIRE HYDRANT VALVES/LANDING	MINIMAX NEWAGE (MUMBAI)



	VALVES/ORIFICE PLATE	SAFEGUARD SHAHBHOGILAL (SBJ) <u>GE Tech</u> <u>Firex</u> <u>Lifeguard</u>
7	FIRE BRIGADE INLETS/SUCTION COLLECTING HEAD	MINIMAX NEWAGE (MUMBAI) SAFEGUARD SHAHBHOGILAL (SBJ) <u>Firex</u> <u>Lifeguard</u>
8	FIRST AID HOSE REEL (DRUM AND BRACKET)	MINIMAX NEWAGE (MUMBAI) FIREX LIFEGUARD SHAHBHOGILAL (SBJ) GE TECH SAFEGUARD
9	THERMO PLASTIC TEXTILE REINFORCED WATER HOSE (ISI MARK)	MINIMAX NEWAGE (SURENDRA NAGAR) GE TECH SAFEGUARD FIREX LIFEGUARD SHAHBHOGILAL (SBJ)
10	R.R.L HOSE (ISI MARK)	MINIMAX NEWAGE (MUMBAI) SAFEGUARD SHAHBHOGILAL (SBJ) SAFEX GE TECH FIREX
11	HOSE COUPLINGS BRANCH PIPE & NOZZLES	MINIMAX NEWAGE (MUMBAI) SAFEGUARD SHAHBHOGILAL (SBJ) SAFEX GE TECH



K 9

12	BATTERY	EXIDE / HBL / ROCKET / AMARA RAJA
13	BATTERY CHARGER	CHHABI / HBL / DUBAS
14	PRESSURE SWITCHES	SWITZER INDFOSS HONEYWELL SIEMENS JOHNSON CONTROL DANFOSS POTTER SYSTEM SENSOR SCHEIDER
15	PRESSURE GAUGE	H GURU FIEBIG DANFOSS WAREE WIKA FORBES MARSHALL SWITZER
16	FLOW SWITCHES / ZONE CONTROL VAVLE	DANFOSS HONEYWELL SWITZER VIKING VICTAULIC / POTTER SYSTEM SENSOR
17	COATING & WRAPPING	IWL RUSTEK EQUIVALENT PYPKOTE COALTECK WIKA
18	ENAMEL PAINT	ASIAN NEROLAC BERGER
19	PAINT PRIMERS	ASIAN NEROLAC BERGER
20	SINGLE PHASING PREVENTER (CURRENT SENSING)	L&T SIEMENS



		MINILEC
21	PUMP CONTROLLERS	EATON EMERSON KIRLOSKAR MATHER & PLATT ARMSTRONG PENTAIR / ITT
22	PRE-FABRICATED WATER TANKS (FIBREGLASS, STEEL, PVC ETC.)	BELCO SINTEX BHAVIPLAST VECTUS POLYCON RHINO ROSTFREE
23	SPRINKLERS	H.D. FIRE TYCO VIKING RAPIDDROP VICTAULIC
24	FIRE EXTINGUISHERS	MINIMAX NEWAGE SAFEGUARD KANEX CEASE FIRE PADMINI SUPEREX OMEX GETECH FIREX SAFEGUARD
25	DELUGE VALVE	HD FIRE NEWAGE TYCO VIKING VICTAULIC
26	INSTALLATION CONTROL VALVE	HD FIRE NEWAGE VIKING



K 9

		TYCO VICTAULIC
27	VIBRATION ELIMINATOR CONNECTORS/ EXPANSION BELLOWS	RESISTO FLEX/ EASY FLEX/ D.WREN
28	WEATHER PROOF HOSE CABINET	NEWAGE MUMBAI SHAH BHOGILAL (SBJ) SAFEX MINIMAX SAFEGUARD PADMINI GETECH OMEX LG
29	AIR VESSEL	PADMINI LG CHAWLA FIRE GETECH NEWAGE
30	MEASURING METER	L&T SIEMENS AE ENERCON HONEYWELL
31	PIPE HANGERS	CAMRY CHILLY GMGR GRIPPLE
32	AIR RELEASE VALVES	NEWAGE SBJ ZOLOTO ANERGY FLAMCO OVENTRAP CASTLE
33	SPRINKLER FLEXIBLE CONNECTION PIPE	NEWAGE FLEXHEAD VICTAULIC VIKING



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		TYCO RAPIDROP
34	NOVEC 1230 GAS SUPPRESSION SYSTEM (UL LISTED)	3M ANSUL KIDDE ROTAREX MINIMAX KANEX CEASEFIRE
35	SEAMLESS CYLINDER	WORTHINGTON RAMA EKC
36	SEAMLESS PIPE	JINDAL(MS) BHEL / TATA
37	ELECTRIC ACTUATOR (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
38	PRESSURE ACTUATOR (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
39	MANUAL ACTUATOR (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
40	DISCHARGE NOZZLE (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
41	MANIFOLD CHECK VALVE (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO



		ANSUL
42	ACTUATOR HOSE (UL LISTED)	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
43	MANUAL ABORT RELEASE	CHEMETRON SEVO HONEYWELL CRYPTZO ANSUL
44	GAS RELEASE PANEL (CONVENTIONAL)	HONEYWELL SYSTEM SENSOR JOHNSON
45	DI PIPE	ELECTROSTEEL JINDAL SAW TATA TRUEFORM NIDCO
46	DI FITTINGS	ZOLOTO UNIK DRP
47	MS PIPE**	JINDAL HISSAR TATA STEEL SAIL JINDAL STAR SURYA ROSHNI PRAKASH SURYA
48	G.I. PIPE (CLASS-C)**	JINDAL HISSAR TATA STEEL SAIL JINDAL STAR SURYA ROSHNI PRAKASH SURYA
49	G.I. PIPE FITTINGS	ZOLOTO UNIK DRP MICROMETAL



K 9

		JAINSON
50	GI SEALENT	HENKEL – LOCTITE HOLDITTE
51	FORGED FITTINGS	TRUE FORGED DRP BHARAT FORGED MICROMETAL JAINSON
52	GROOVED FITTING	VICTAULIC GRUVLOK BY VIKING TYCO
53	PANEL GAS SUPPRESSION SYSTEM	ANSUL ROTAREX MINIMAX KANEX <u>HONEYWELL</u> <u>CEASEFIRE</u> <u>NOVEC-1230</u> <u>FIREMECH</u>
54	PRESSURE SWITCH <u>REPEATED ABOVE IN SL NO. 14,</u> <u>THIS ROW CAN BE DELETED</u>	HONEYWELL SIEMENS JOHNSON CONTROL DANFOSS
55	FLOW METER	GERRAND DARLING MUSCO FINOTECH <u>TYCO</u> <u>VIKING</u>
56	PRESSURE RELIEF VALVE	CLA VAL AGF
57	STRUCTRE STEEL	TATA SAIL
58	GLOBE VALVE / BALL VALVE	GIACOMMINI LEADER RAIPDROP ZOLOTO SANT



59	SEISMIC SUPPORTS	RESISTOFLEX GRIPPLE HILTI KINETICS EASYFLEX EATON AXA XL
60	FIRE BLANKETS	MIDAS TOPSPEC BELLSTONE AXUS DARIT
61	EXPANSION JOINTS	V-FLEX BELLOWS PVT. LTD. FLEXHOUSE INDIA PVT. LTD. INDIA FLEX ENGINEERING VICTAULIC
62	GROOVED BUTTERFLY VALVE (COUNTRY OF ORIGIN - INDIA / USA / EUROPE)	VICTAULIC VIKING TYCO
63	GROOVED GATE VALVE (COUNTRY OF ORIGIN - INDIA / USA / EUROPE)	VICTAULIC VIKING TYCO
64	GROOVED NON- RETURN VALVE (COUNTRY OF ORIGIN - INDIA / USA / EUROPE)	VICTAULIC VIKING TYCO
65	Y-STRAINER VALVE (COUNTRY OF ORIGIN - INDIA / USA / EUROPE)	VICTAULIC VIKING TYCO
66	PRESSURE REDUCING VALVE	VICTAULIC VIKING TYCO
67	PUDDLE FLANGES	AS PER VENDOR SPECIFIC
68	ANY OTHER ITEM	For non-listed items, contractor shall submit the sample of the product to assure the quality of the product. After getting the approval of the non-listed item, contractor shall supply the item.

Note: ** Makes suggested by Contractor shall meet the technical requirements, specifications, codes and standards and shall ensure fit for purpose Works. For Electrical & Controls related



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items please follow Electrical/BMS/FDAS list of makes

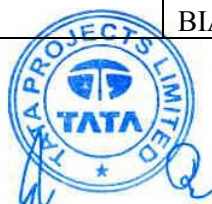
FIRE ALARM

S. No.	Item/ System	Make / Manufacturer
1	MAIN FIRE ALARM CONTROL PANEL & TWO WAY COMMUNICATION SYSTEM	EDWARDS NOTIFIER SIEMENS - DESIGO TYCO - SIMPLEX SCHNEIDER
2	GUI SOFTWARE	EDWARDS NOTIFIER SIEMENS - DESIGO TYCO - SIMPLEX / SCHNEIDER
3	MULTI SENSOR DETECTOR	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
4	ADDRESSABLE MANUAL CALL POINT	EDWARDS NOTIFIER SIEMENS - TYCO - SIMPLEX SCHNEIDER
5	ADDRESSABLE BEAM DETECTOR	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
6	RESPONSE INDICATORS	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER



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7	FAULT ISOLATOR MODULE	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
8	RATE OF RISE HEAT DETECTOR	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
9	ASPIRATION SMOKE DETECTION SYSTEM	XTRALIS SIEMENS SECURITON
10	AIR SAMPLING PIPE	ASTRAL PRECISION SUPREME ASIAN
11	<u>CAPILLARY TUBES & SAMPLING POINTS</u>	XTRALIS SECURITON SIEMENS
12	<u>ADDRESSABLE INTERFACE MODULES: MONITOR / RELAY / CONTROL / ZONE MONITOR / GAS RELEASE MODULE / ISOLATOR MODULE ETC.</u>	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
13	SOUNDER CUM STROBES	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
14	SPEAKERS & AMPLIFIER	HONEYWELL BOSE BIAMP MEYER SOUND
15	DIGITAL VOICE EVACUATION SYSTEM	HONEYWELL BOSE BIAMP



K 9

		MEYER SOUND <u>SIEMENS</u>
16	ADDRESSABLE FIREFIGHTER'S TELEPHONE JACK & HANDSET	EDWARDS NOTIFIER SIEMENS TYCO - SIMPLEX SCHNEIDER
17	INTERACTIVE FIRE	EDWARDS NOTIFIER SIEMENS - TYCO - SIMPLEX SCHNEIDER
18	PA WIRE	LAPP INDIA POLYCAB GEMSCAB CALIPLAST
19	FIRE SURVIVAL CABLE	BONTON POLYCAB HAVELLS LAPP INDIA RR KABLE RAJNIGANDHA GEMSCAB <u>DUCAB</u> <u>RAVIN</u> <u>KEI</u> <u>KEC-RPG</u> <u>APAR</u> <u>FINOLEX</u>
20	GI CONDUITS	BEC AKG PRECISION NIC STEELCRAFT
21	ANY OTHER ITEM	FOR NON-LISTED ITEMS, CONTRACTOR SHALL SUBMIT THE SAMPLE OF THE PRODUCT TO ASSURE THE QUALITY OF THE PRODUCT. AFTER GETTING THE



	APPROVAL OF THE NON-LISTED ITEM, CONTRACTOR SHALL SUPPLY THE ITEM.
Note : For Electrical & Controls related items please follow electrical/BMS/FDAS list of makes	

AGL

S. No.	Item/ System	Make / Manufacturer
1	AGL ELEVATED & INSET LIGHT FIXTURE	HONEYWELL ADB- SAFEGATE ATG OCEM
2	INDIVISUAL LAMP MONITORING SYSTEM	HONEYWELL ADB- SAFEGATE
3	ILLUMINATED SIGNAGES	HONEYWELL ADB- SAFEGATE ATG OCEM
4	PAPI LIGHTS	HONEYWELL ADB- SAFEGATE ATG OCEM
5	INCURSION LOOP SENSOR	HONEYWELL ADB- SAFEGATE OCEM
6	CONSTANT CURRENT REGULATOR (CCR)	HONEYWELL ADB- SAFEGATE
7	PHOTOMETRIC EQUIPMENT	ARGOS MALMS
8	ISOLATING TRANSFORMER	HONEYWELL ADB- SAFEGATE EFLA
9	PRIMARY CONNECTOR SET	HONEYWELL ADB- SAFEGATE EFLA
10	SECONDRY CONNECTOR SET	HONEYWELL



R Q



		ADB- SAFEGATE EFLA
11	PRIMARY CABLE	NEXAN EUPEN
12	SECONDARY CABLE	NEXAN EUPEN UNIKA UNTEL
13	DEEP BASE CANE	HONEYWELL JAQUITH MILLERBERND
14	SHALLOW BASE	HONEYWELL ADB- SAFEGATE OCEM
15	APPROACH POLES / MASTS (FRANGIBLE)	LATTIX POLITE SGS EXEL
16	AIRPORT ROTATING BEACON	HALIBRITE SGS AVLITE
17	WIND DIRECTION INDICATOR	HALIBRITE SGS AVLITE
18	LANDING "H" INDICATOR	HALIBRITE SGS AVLITE
19	VDGS (VISUAL DOCKING GUIDENCE SYSTEM)	HONEYWELL ADB- SAFEGATE THYSSEN
20	CABINETS	RITTAL nVENT HOFFMANN
21	NETWORK SWITCHES	CISCO HP HIRSCHMANN
22	SERVERS	DELL HP HONEYWELL



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		CISCO IBM
23	FIBER OPTIC CABLE	COMSCOPE R&M D-LINK BELDEN
24	UPS	APC EATON VERTEX ABB
25	CONTROL CABLE	CALIPLAST APAR POLYCAB HAVELLS FINOLEX
26	TELEPHONE CABLE	CALIPLAST EMINENT POLYCAB HAVELLS FINOLEX
27	COAXIAL TV CABLE	CALIPLAST EMINENT POLYCAB HAVELLS FINOLEX
28	Co-AXIAL FEEDER CABLE	BELDEN COMMSCOPE CELLCOMM
29	SIGNAL CABLE	ENERCON LAPP INDIA EMINENT CALIPLAST
30	ACCESS CARD SYSTEM	SIEMENS HONEYWELL HID SMARTI PACOM
31	STORAGE	NETAPP



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		DELL
32	DATA SWITCH	CISCO IBM SIEMENS HP AVAYA
33	CAT-6A	D-LINK 2AVAYA TYCO MOLEX
34	ANY OTHER ITEM	For non-listed items, contractor will submit the sample of the product to assure the quality of the product. after getting the approval of the non-listed item, contractor will supply the item.



K P

HVAC

S. No	Item/ System	Make / Manufacturer
A	HVAC Equipment's	
1	Packaged, water-cooled, electric motor driven VFD centrifugal chillers	Carrier Johnson Controls (York) Trane Daikin Dunhambush
2	Cooling Towers	Paharpur Marley Baltimore Advance Bell
3	Chiller Plant Manager with Energy Optimizer	Carrier Johnson Controls (York) Trane Daikin Dunhambush
4	Primary, Secondary chilled water pump & Condenser water Pumps**	Armstrong Grundfos ITT, Xylem Bell & Gosset Kirloskar Lubi Wilo
5	Pressurized Expansion Tank and Air Separator	Armstrong Grundfos Taco ITT Sevcon Anergy Xylem
6	Air Handling Unit and Fan Sections- AHRI/Eurovent Certified**	VTS Zeco Edgetech Systemaire Flaktwoods Climaveneta DRI Stulz Daikin Waves Humidin
7	Dedicated Outdoor Air System & heat recovery wheel	DRI Flaktwoods Swegon



K 9

8	Precision Air Conditioning unit (DX and Chilled water)	Stulz Bluebox Emerson Flakt Uniflair
9	Computer-Room Air Conditioners (In Rack cooling Units)	Vertiv Stulz Schneider Electric Rittal
10	Fan Coil Unit (Eurovent/ AHRI certified)	Daikin Hitachi Midea VTS Sinco York TRANE
11	Centrifugal Fans (AMCA certified)	Kruger Nicotra Greenheck
12	Plug Fans (AMCA certified)	Ebm Papst Ziehl abbeg
13	Heat Exchanger	Danfoss Alfalevel Tranter Dunham Bush
14	Axial Flow Fan (AMCA certified)	Greenheck Kruger Systemair Flaktwoods Nicotra
15	Smoke Extract Fans (AMCA Certified)	Nicotra kruger Greencheck Flaktwoods Systemair
16	AIR WASHER	ROOTS ZECO EDGETECH Flakt
17	Propeller Fan	Systemair Kruger



K 9

18	Fan Section	Edgetech Daikin Flakt Systemair Zeco VTS
19	Inline Fan	Greenheck Systemair Ostberg Kruger
20	Chilled Water Cassette Unit	Midea VTS Sinco Johnson Controls BRIA TRANE
21	Dedicated Outdoor Air System & heat recovery wheel	DRI Flaktwoods Swegon
22	Kitchen Scrubber (Dry Type)	Rydair Trion
23	UV lamp (UL Listed)	Honeywell Philips Magneto
24	Motor	Bharat Bijlee ABB Siemens Kirloskar Marathon
25	VRF (Inverter type only)**	DAIKIN HITACHI TRANE MITSUBISHI TOSHIBA Voltas LG
26	Split AC (Inverter type only)	DAIKIN HITACHI TRANE MITSUBISHI O-General Voltas LG
27	AIR CURTAIN	MITZVAH MAGNETO



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		RUSSEL SYSTEM AIR VTS
28	INDIRECT EVAPORATIVE COOLING UNIT /Double Stage Evaporator	Zeco HMX Ambiator Flakt DRI Edgetech
29	HEAT RECOVERY UNIT	DRI (BRY AIR) DESICANT ROTOR FLAKT GREENHECK NOVELAIR TECHNOLOGIES
30	Jet Impulse Fan	Systemair Flaktwoods Kruger
B	DUCTING AND AIR TERMINALS	
1	GI Sheets	Indian Steel Corporation Jindal SAIL TATA
2	Aluminium Sheet/Perforated AL Sheet	Balco Hindalco
3	Factory Fabricated ducts	Rolastar Zeco GSR Airotech GP Spira
4	Flexible duct	Atco Titus UP Twiga Seven Star Caryaire
5	Sound attenuators	Trox Ruskin Airmaster Systemair
6	Grille/Diffuser/Dampers/ Louvers	Systemair Dynacraft Trox Airmaster



K 9

7	Smoke / Fire Damper (UL listed & Stamped)	Greenheck Systemair Trox Ruskin Dynacraft Air Master Titus
8	Variable Air Volume Box (AHRI CERTIFIED FACTORY CALIBRATED)	Titus Johnson Controls Trox Honeywell Belimo Trane
9	Fire Rated Ducts coatings	LAF PROMAT Flamebar Starcoat CRC CISCHEM/CISBOND
10	Displacement Ventilation	Systemair, Airmaster Trox Dynacraft Ruskin
11	Diffuser Plenum boxes (Pre-insulated)	Cosmic Airmaster Ruskin Titus Dynacraft Systemair
12	Curtain Type Fire Damper	Greencheck Titus Ruskin
13	Actuators Actuators	Siemens Honeywell Belimo Danfoss
14	Volume Control Dampers/ Pressure Relief Damper/Gravity Dampers/ Louvers	Airmaster Dynacraft Systemair Trox
15	Jet nozzle	Airmaster Trox Dynacraft Systemair
16	Flexible Duct Connector	Airmaster Dynacraft Systemair ATCO EASYFLEX MAPRO RESISTOFLEX



K 9



17	Air Measuring Station	TROX JCI TITUS SYSTEM AIR CONAIRE
C	INSULATIONS	
1	Duct Insulation closed cell Nitrile Rubber with Glass Cloth	Armacell Trocellen K- Flex A-flex Superlon
2	Duct Accoustic Lining (Open cell)	Armacell K- Flex A-flex Superlon
3	Refrigerant Pipe insulation (EPDM with Glass Cloth)	A-flex K- flex Armacell Superlon
4	Poplyurethane Foam (PUF) / POLY-Isocyanurate Foam	Lloyd Insulation PAL Technonicol
5	Insulation Protective Coating	FOSTER 30-36 MAGIK 30-36 STARBOND 30-36 FEVICOL (WEATHER PROTECT COAT) CISCHEM/CISBOND
6	ADHESIVE FOR NITRILE FOAM	POLYTREAT(ENIFIX 530) FEVICOL AC DUCT KING (ECOFRESH) CISCHEM/CISBOND
7	Glass Cloth	OWENS CORNING PARAFAB UP TWIGA KIMCO
8	Cold Bitumin Adhesive	ENIFIX BA -60 PIDILITE CISCHEM/CISBOND
9	Aluminium Tape	Johnson Birla 3M
10	UV Protective Coating	Armacell Paramount Polybond Armachek Amicol CISCHEM/CISBOND
11	Insulated Access/Trap doors	Rehau Saint Gobin System air



K 9

12	Vapour Barrier	STAR BOND – VB Ameetuf CISCHEM/CISBOND
D	PIPES AND VALVES	
1	M.S. Pipe (Less than 300 mm Dia - ERW pipe M.S. Pipe (Greater than or equals to 300 mm dia - Spiral Welded)	Jindal Hissar Tata Steel SAIL Jindal Star Surya Roshni Prakash Surya
2	Chilled water HDPE Pipe (Pre-insulated)	George Fischer Eurotubi SRL Urecon
3	PE/PEP /HDPE	George Fischer Geberit Tirupati Supreme. Dutron
4	PP Pipe & Fittings	Huliot Poloplast Wavin Georg Fischer
5	Butterfly Valve	Audco Danfoss Honeywell L&T Castle Advance
6	Motorized Butterfly Valve	Belimo Danfoss Honeywell Siemens
7	Pressure Independent Balancing Valves/ 2 Way valves/Energy Valves	Belimo Danfoss Siemens Oventrop Flowcon
8	Ball Valve	KITZ Zoloto Oventrop Kirloaskar SIMCO Castle Advance



K 9

9	Insulated FCU Kit	ATS Germany Danfoss Flowcon Siemens Oventrop Caleffi
10	Balancing Valve	Danfoss Oventrop Honeywell Siemens Belimo
11	Two way FCU Control Valve	Belimo Danfoss Siemens Honeywell Flowcon Caleffi
12	Suction Guide with stariner	Anergy Armstrong Xylem
13	Copper Refrigerant Piping	Rajco Mex flow Mandev
14	Y Strainers/Pot strainers	Emerald Sant Zoloto Rapid Control Leader Castle
15	Non Return Valve (Dual plate Check Valve)	KITZ Advance Castle Audco Honeywell
16	Gate Valves & Globe valves	Leader RB Audco Advance Sant Zoloto Castle
17	UPVC Pipes & Fitings	Astral Prince Supreme Finolex Sintex George Fischer Ashirwad HIL



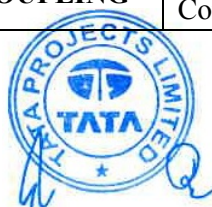
K 9

18	PRV	Audco Castle L&T Zoloto
19	Preinsulated MS Pipes (For Burried pipe application)	Lloyds Insulation Seven Star GP Spira Techninocol Shreevenus Perma pipe Zeco
20	Condensate Pump	ASPEN or equivalent
21	Auto Air Vents	ANergy Flamco Oventrop Castle
22	Pipe supports	Diamond Hi-tech Seven star Gripple Hilti
23	PUF section for pipe support	Lloyd Malanpur Techninocol Seven Star
24	Expansion Joints	V-Flex Bellows Pvt. Ltd. Flexhouse India Pvt. Ltd. India Flex Engineering Victaulic
25	Side Stream Filter	Sevcon Water Technologies Nalco ANergy
E	ELECTRICAL	
1	Sequential Panel for split AC & VRF systems	Thittanix Instruments (Bangalore) VKA Power Master Private Limited.
2	Electric Duct Heater	BAJAJ CALORITECH DASPASS RECOLD Industrial Heaters
3	SAFETY THERMOSTAT FOR HEATER	BAJAJ, CALORITECH, DASPASS, RECOLD, Industrial Heaters, ANERGY/ HONEYWELL
Note :- For Electrical & Controls related items please follow electrical/BMS/FDAS list of makes		
F	FILTER	



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1	Filters	Thermadyne AAF Camfil Spectrum Puromatic DRI
2	Electronic Filter	Magneto Honeywell Nirvanabeing
3	Gas based filtration equipment	BryAir (India) Purafil Camfil
G	CONTROLS, SENSORS & GAUGES	
1	Pressure (Industrial Type) & Temperature Gauge	H. Guru Fiebig Waree Baumer Forbes Marshall Wika Switzer
2	Test Points	Anergy Flamco
Note :- For Controls related items please follow BMS/FDAS list of makes		
H	HANGERS, ISOLATORS	
1	Vibration/spring Isolator, Flexible Pipe Connection	CORI Dunlop Easyflex Resistoflex Fenner Kunwal
2	Anchor Fastner	Fischer Hilti Power Fastener Wuerth Waluren Mongo
3	Isolation Pad	CORI Fenner Muepro Pioneer
4	Hanging/ Wire Support & Accessories	Gripple Hilti Dobi GPL Technical Solutions Pvt. Ltd.
5	GROOVED FITTINGS / COUPLING	Easy flex Cori Engineering



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		Grinnell Resistoflex Victaulic
6	Seismic Support	Resistoflex Gripple Hilti Kinetics Easyflex Eaton AXA XL Caddy Anvil Erico
7	Duct Supports	Hi-tech Hilti
8	Cushy Foot Mounting	Dunplo Easyflex Resistoflex
9	EXPANSION BELLOW	Resisto Flex, Renuka Sales Corporation, Easyflex Fenner Kunwal
I	MISCELLANEOUS	
1	V-BELT	FENNER DUNLOP
2	PAINT	Asian Paints Berger Nerolac ICI
3	PASSIVE FIRE PROTECTION /Fire sealant	BIRLA 3 M HILTI PROMAT CISCHEM/CISBOND
4	GROOVED FITTINGS / COUPLING	VICTAULIC GRINNELL RESISTOFLEX
5	Vaccum Degasser	TACO ITT Anergy KD Agencies Armstrong Sevcon



K 9

Security Systems

S.No	Item/ System	Make / Manufacturer
1	CENTRAL CONTROL STATION	HP DELL
2	BUILDING MANAGEMENT SYSTEM	SCHNEIDER JOHNSON METASYS SIEMENS DESIGO HONEYWELL TREND /EBI
3	ENTERPRISE SOFTWARE	SCHNEIDER JOHNSON CONTROLS-METASYS SIEMENS DESIGO HONEYWELL TREND/EBI
4	PROGRAMMABLE & APPLICATION SPECIFIC CONTROLLER (DDC)	SCHNEIDER JOHNSON CONTROLS-METASYS SIEMENS DESIGO HONEYWELL TREND/EBI
5	DDC CONTROLLER ENCLOSER	RITTAL SCHNEIDER PROXEL ADLEC REGIN
6	WEB SERVER ENGINES (NETWORK SUPERVISORY CONTROLLERS)	SCHNEIDER JOHNSON CONTROLS-METASYS SIEMENS DESIGO HONEYWELL TREND/EBI
7	INTEGRATORS	SCHNEIDER JOHNSON CONTROLS-METASYS SIEMENS DESIGO HONEYWELL TREND/EBI
8	IMMERSION TYPE TEMPERATURE SENSORS	SCHNEIDER JOHNSON CONTROLS



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		SIEMENS HONEYWELL BELIMO-GREYSTONE ALERTON
9	DIFFERENTIAL PRESSURE SWITCH (BLOWERS & FILTERS & PUMP)	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL BELIMO GREYSTONE ALERTON <u>Regin</u> <u>Sontay</u> <u>Danfoss</u>
10	DUCT MOUNT TEMPERATURE & RH SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL BELIMO GREYSTONE ALERTON
11	THERMOSTAT	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL SAUTER GREYSTONE ALC
12	HUMIDSTAT	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL DWYER GREYSTONE GE Greystone GE
13	DAMPER ACTUATOR	SCHNEIDER



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		JOHNSON CONTROLS SIEMENS HONEYWELL DWYER GREYSTONE GE
14	CO SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL GREYSTONE TREND MSR(GERMANY) DWYER REGIN SONTAY
15	CO2 SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL GREYSTONE TREND MSR(GERMANY) DWYER REGIN SONTAY
16	CURRENT RELAY	VERDIS ABB KELE OMRON L&T SETCO SITU MAMAC ENERCON
17	WATER LEVEL SWITCH	SCHNEIDER JOHNSON CONTROLS SIEMENS



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		HONEYWELL KELE SONTAY VEKESELAR FILPRO
18	NETWORK TEMP, RH & PIR SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL BELIMO GREYSTONE ALERTON
19	WATER PRESSURE SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL BELIMO GREYSTONE ALERTON DANFOSS
20	DUCT STATIC PRESSURE SENSOR	SCHNEIDER JOHNSON CONTROLS SIEMENS HONEYWELL GREYSTONE BELIMO ALERTON DANFOSS
21	WATER FLOW METERS	SCHNEIDER LANDIS & GYR KELE SONTAY SCHENITECH HONEYWELL JOHNSON SIEMENS BELIMO



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22	WATER FLOW SWITCH	SCHNEIDER LANDIS & GYR KELE SONTAY SCHENITECH HONEYWELL JOHNSON SIEMENS BELIMO
23	ULTRASONIC BTU METERS	KAMSTRUP SONTAY SCHENITECH LANDIS & GYR HONEYWELL BELIMO ENDREES+HAUSER CALEFFI OVENTROP DANFOSS
24	HARDNESS ANALYSER	HACH ABB KELE SCHENITECH TRITON HONEYWELL LUMEX POLYMETRON
25	ULTRASONIC/ELECTROMAGNETIC WATER FLOW METERS	SONTAY LANDIS & GYR HONEYWELL ABB KAMPSTRUP BELIMO GREYSTONE
26	3 WAY MOTORIZED VALVES	JOHNSON CONTROLS SIEMENS HONEYWELL



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		BELIMO
27	FLAMEPROOF LEVEL SWITCH	KELE VEKESELOR FILPRO HONEYWELL
28	OUTSIDE AIR TEMPERATURE/ RH SENSOR	SCHNEIDER HONEYWELL INVENSYS SIEMENS JOHNSON CONTROLS GREYSTONE BELIMO
29	VOLTAGE / CURRENT / POWER FACTOR TRANSDUCER	SCHNEIDER L&T ABB HONEYWELL JOHNSON CONTROLS
30	ROOM TEMP. SENSOR	JOHNSON CONTROLS SIEMENS HONEYWELL SONTAY SCHNEIDER GREYSTONE BELIMO ALERTON
31	INDOOR AIR QUALITY (IAQ)	HONEYWELL SIEMENS JCI SAUTER ALC DR. Air
32	SAFETY THERMOSTAT FOR HEATER	ANERGY RAPID CONTROL HONEYWELL
33	ENERGY MONITORING SYSTEM (PREPAID/POSTPAID) ENERGY BILLING SYSTEMS SOFTWARE	SCHNEIDER HONEYWELL SIEMENS JOHNSON CONTROLS



		ALC
34	COMMUNICATION CABLES / SIGNAL CABLE/ CONTROL CABLE	CALIPLAST GEMSCAB POLYCAB HAVELLS FINOLEX BONTON LAPP INDIA RAJNIGANDHA
35	MS/GI/ PVC CONDUITS	BEC AKG PRECISION NIC STEELCRAFT
36	Pressure Transmitters	Honeywell Siemens Schneider Johnson Control Greystone Alerton
37	Safety Thermostat for Heater	ANERGY Rapid Control Honeywell
38	AFMS(Air Flow Measuring Station)	Kele Balcon Tron Dwyer Ruskin
39	P.H./ Chlorine Analyzer	Hach Honeywell Kele Polymetron Siemens Sontay
40	TDS Meter/Conductivity Meter	Hach Honeywell Kele Polymetron



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		Siemens Sontay
41	Conductivity Meter	Hach Honeywell Kele Polymetron Siemens Sontays
42	Air velocity sensor	Schneider Honeywell Johnson Controls Siemens Greystone
43	ANY OTHER ITEM	For non-listed items, contractor will submit the sample of the product to assure the quality of the product after getting the approval of the non-listed item, contractor will supply the item.
Note :- For Electrical & Controls related items please follow electrical/FDAS list of makes		



K 9

Sanitaryware & Drainage

S.No	Item/ System	Make / Manufacturer
1	SOLAR PANEL AND STORAGE VESSEL	A.O SMITH RACOLD VENUS KLIMA CONSULNEOWAT
2	BACKFLOW PREVENTERS & NRV	L&T VALVES ZOLOTO LEADER VALVES
3	PLUMBING CP AND SANITARY FIXTURES, INCLUDING FLUSH TANK, METERING & MANUAL FAUCETS, ETC.	JAQUAR HINDWARE KOHLER
4	C.P GRATINGS, FLOOR DRAINS AND COCKROACH TRAPS.	NEER CHILLY ACO NEER
5	PUMP STARTER PANELS	SIEMENS L&T ELINS SWITCH BOARDS
6	TEMPERATURE & PRESSURE GAUGES	ADARSH MICRO WIKA H GURU FIEBIG WAREE BAUMER FORBES MARSHALL SWITZER
7	WATER HAMMER ARRESTORS	PLANET WATER FOUNDATION COORSTEK FERGUSON WATTS ASHIRVAD
8	FLOW & PRESSURE CONTROL VALVES	NUTECH FLOWTEK PNEUCON



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9	METALLIC/FLEXIBLE EXPANSION BELLOWS	BELLOW FLEX PRICISION DHUV B.D. ENGR EFLEX.
10	HYDRO PNEUMATIC PUMPS	GRUNDFOS XYLEM WILO KIRLOSKAR LUBI KSB
11	RECIRCULATION/BOOSTER PUMPS	GRUNDFOS XYLEM WILO KIRLOSKAR LUBI KSB
12	SUBMERSIBLE SUMP PUMPS & SEWAGE/DEWATER EJECTORS	GRUNDFOS XYLEM KIRLOSKAR LUBI KSB
13	ROOF DRAINS & FLOOR DRAINS (CAST IRON, ALUMINIUM, PLASTIC)	ASTRAL SUPREME PRINCE NECO KAPILANSH NEER
14	HIGH DENSITY POLYETHYLENE PIPES (HDPE) PIPE & FITTINGS	JAIN IRRIGATION SUPREME DUTRON GEBERIT SUPREME GEORGE FISCHER TIRUPATI
15	CPVC PIPE & FITTINGS FOR WATER SUPPLY	ASTRAL SUPREME ASHIRVAD GEORGE FISCHER WAVIN
16	UPVC PIPES & FITTINGS	ASTRAL SUPREME ASHIRVAD FINOLEX GEORGE FISCHER PRINCE
17	DUCTILE IRON PIPES & FITTINGS	JINDAL ELECTROSTEEL TATA



18	RCC HUME PIPES	INDIAN HUME PIPE JAIN SPUN PRATIBHA PRNALI
19	SOLVENT CEMENT	ASTRAL SUPREME PRINCE ASHIRVAD FINOLEX GEORGE FISCHER
20	PVC ASTM SCHEDULE PIPE	ASTRAL SUPREME GEORGE FISCHER ASHIRVAD
21	INSULATION	ARMAFLEX VIDOFLEX ARMACELL THERMAFLEX K-FLEX
22	SLUICE VALVE	KIRLOSKAR ZOLOTO L&T AUDCO CASTLE ADVANCE SKS
23	NON RETURN VALVE	NORMEX ZOLOTO GIACOMINI L&T KITZ ADVANCE CASTLE HONEYWELL AUDCO
24	BRASS & GUN METAL, GATE VALVE	ZOLOTO SANT L&T AUDCO CASTLE ADVANCE SKS
25	BALL VALVES	ZOLOTO CASTLE SKS KITZ



		SIMCO OVENTRAP ADVANCE ITAP L&T
26	BUTTERFLY VALVE	ZOLOTO AUDCO L&T DANFOSS HONEYWELL
27	AIR RELEASE VALVE	HONEYWELL ZOLOTO ITAP CASTLE OVENTRAP SBJ FLAMCO NEWAGE
28	FOOT VALVES	TBS NORMEX KIRLOSKAR SANT
29	MANHOLE FRAME AND COVER	NECO NEER RIF SKF
30	FRP COVERS	THERMO DRAIN RIF SKF NECO
31	WAFER TYPE CHECK VALVE	ADVANCE KIRLOSKAR SANT CASTLE HONEYWELL AUDCO
32	AUTO SENSORS	AOS ASKON HONEYWELL



K 9

33	Y STRAINER	ZOLOTO VARIE EQUIVALENT EMERALD SANT RAPID CONTROL LEADER
34	ANTI VIBRATION MOUNTING & FLEXIBLE CONNECTORS	DUNLOP KANWAL INDUSTRIAL CORPORATION CORI RESISTOFLEX FENNER
35	PRESSURE REDUCING VALVE	HONEYWELL ZOLOTO AUDCO CASTLE L&T
36	ISOLATION VALVE	DANFOSS AVCON ZOLOTO HONEYWELL AUDCO
37	WATER METER (DIGITAL/MECHANICAL TYPE)	ITRON KAYCEE CAPSTAN KRANTI CRYSTAL SECURE METER RADIUS GENIUS
38	ELECTRONIC FLOW METER	ROCKWIN GEORGE FISCHER CRYSTAL SECURE METER XENIUS RADIUS GENIUS
39	LEVEL INDICATORS	FORBES MARSHALL MINILEC ADVANCE GEORGE FISCHER CIRRUS TECON AUTOLIFT
40	PIPE SUPPORTS	HITECH DIAMOND HILTI SEVEN STAR GRIPPLE



K 9

41	PAINTS	ASIAN PAINTS BERGER SHALIMAR PAINTS
42	UV SYSTEMS	ALFA/QUA SUKRUT PENTAIR
43	ULTRA-FILTERS	HITECH DOW HYDRAUNAUTICS SUEZ (GE) INGE SIEMENS PALL PENTAIR QUA HYFLUX KOCH DOW
44	RO MEMBRANE	GE DOW HYDRAUNAUTICS
45	HORIZONTAL/VERTICAL MULTISTAGE PUMPS	ITT LOWARA GRUNDFOS DP KIRLOSKAR WILO
46	FLOW INDICATORS/TRANSMITTER/ PH/ CONDUCTIVITY/ ORP METERS	ASTER/ASTER MINILEC ADVANCE GEORGE FISCHER CIRRUS
47	PLC	SIEMEN HONEYWELL EQUIVALENT
48	PREFABRICATED, FIBERGLASS, STEEL, PVC ETC. FOR FLUSHING TANK AND HOLDING TANK, OVERHEAD WATER TANK)	BELCO RHINO SINTEX BHAVIPLAST ROSTFREE
49	GREASE INTERCEPTOR	ACO ASHIRVAD KESSEL
50	DOSING PUMP	ITT LOWARA GRUNDFOS DP SWELLORE ASIA LMI



K 9

51	EMERGENCY EYE WASH & SHOWER	U-SAFE ESCORT SUNTECH SOLESAFE
52	OIL WATER SEPARATOR (TPI)	K-PACK for TPI based OWS
53	SEISMIC SUPPORTS	RESISTOFLEX KINETICS CADDY ANVIL ERICO GRIPPLE HILTI EASYFLEX EATON AXA XL
54	DRIP IRRIGATION	HUNTER RAINBOW NETAFIM TORO
55	SPRINKLER IRRIGATION	RAINBOW NETAFIM TORO
56	EXPANSION JOINTS	V-FLEX BELLOWS PVT. LTD. FLEXHOUSE INDIA PVT. LTD. INDIA FLEX ENGINEERING VICTAULIC
57	PEX C PIPE & FITTINGS	WAVIN VIEGA HINCO SANHA MUTI TUBO
58	SS PIPE & FITTINGS	VSH PEGLER AQUINOX VIEGA
59	GI PIPE	JINDAL HISSAR JINDAL STAR PRAKASH SURYA TATA STEEL SURYAROSHINI



K 9

60	PP PIPE & FITTINGS	HULIOT POLOPLAST WAVIN GEORG FISCHER
61	LEVEL SWITCH	MINILEC TECHNIKA TECHTRAL SEE SOLUTIONS
62	WATER HEATER / GEYSER	AO SMITH HINDWARE CROMPTON RACOLD DANFOSS
63	WASH BASIN	GEBERIT JAQUAR TOTO GROHE
64	URINAL	GEBERIT JAQUAR TOTO GROHE
65	WATER CLOSET	GEBERIT JAQUAR TOTO GROHE
66	3 IN 1 RECESSED PANELS (TISSUE PAPER DISPENSER , AUTO HAND DRYER , WASTE RECEPTACLE)	EURONIC BOBRICK
67	WC SENSOR WITH FLUSH VALVES	EURONIC KOHLE TOTO GROHE
68	SENSOR TAPS	EURONIC KOHLE TOTO GROHE
69	SOAP DISPENSERS	EURONIC KOHLE BOBRICK



K 9

70	HANDICAP WASHROOM ACCESSORIES	EURONIC KOHLE BOBRICK
71	BABY DIAPER CHANGING STATIONS	EURONIC KOHLE BOBRICK
72	WATER COOLER WITH RO, UV AND CHILLER	BLUE STAR VOLTAS AQUAGUARD
73	WC PAN CONNECTOR	ASTRAL ASHIRWAD HIL
74	PUDDLE FLANGES	AS PER VENDOR SPECIFIC
75	PP PIPE AND FITTINGS	GEORG FISCHER HULIOT POLOPLAST WAVIN
76	THERMOSTATIC MIXING VALVE	HONEYWELL WATTS ZURN
77	ANY OTHER ITEM	For non-listed items, contractor shall submit the sample of the product to assure the quality of the product. after getting the approval of the non-listed item, contractor shall supply the item.
Note :- For Electrical & Controls related items please follow Electrical/BMS/FDAS list of makes		

STP, WTP, ETP, SOFTNER and TRITURATOR

S.No	Item/ System	Make / Manufacturer
1	Mechanical/Manual Bar Screen	Huber Aqseptance (Johnson) Jash Headworks
2	Mechanical Step Screen	Huber Aqseptance (Johnson) Jash
3	Rotary Drum Screen	Huber Aqseptance (Johnson) Jash
4	Screw Conveyor and Compactor	Huber Aqseptance (Johnson) Jash
5	Aerated Grit & Grease chamber	AWT umwelttechnik GMBH



K 9



	mechanism	Cosme Italia Emo Sereco
6	Grit Washer cum Classifier	AWT umwelttechnik GMBH Cosme Italia Emo Sereco
7	Submersible Mixers	Xylem Sulzer KSB Grundfos
8	Vertical Shaft Agitators	Lightnin (SPX) Doseuro Chemineer Sulzer Miltonroy
9	Flash mixer and Flocculator	Chemineer / WesTech
10	Static Mixer	Koflo Stati flo Primix Komax Chemineer /Mixrite
11	Fine Bubble Air diffuser with retrievable arrangement	EDI SSI Supratec OTT
12	SBR and Decanters	Napier Reid PremierTech Xylem
13	Turbo Blowers	Aerzen Xylem Sulzer
14	Rotary Blowers	Aerzen Swam Pneumatics GardnerDenver Atlas Copco
15	Submersible Pumps	Xylem Sulzer KSB Grundfos KBL Aqua Machinery Pvt. Ltd
16	Centrifugal Pumps	Xylem Sulzer KBL KSB Lubi



17	Progressive Cavity (Eccentric Screw) Pumps	Netzsch Seepex PCM Allweiler
18	Dosing pumps	Prominent Sera GMBH Miltonroy Doseuro Grundfos
19	Hydro-Pneumatic Pumps / High Pressure Pumps	KSB Ebara Grundfos Sulzer KBL
20	Ultrafiltration Membrane	Suez (GE) Dow Hydranautics Koch Toray
21	PSF, ACF and Softener Pressure Vessel	Paramount Technology Faudi process filtration GMBH Dorr-oliver Equivalent
22	Activated carbon media	Calgon carbon Cabotcorp Jacobi Donau Carbon Desotec
23	Softener Resins	Thermax Ion Exchange Puro-lite
24	Odour Control Unit	IPEC Amtrad Likusta Tholander
25	GRP Cover	CF Maier Europlast GMBH Kingsley Plastics
26	Dissolved Air Flootation	KPack World Water Works Emo Huber
27	Lamella Clarifier	KPack Westech Nordic Water
28	Sludge Thickener Mechanism	Cosme Italia Sereco Mass Aritma



K 9



		Astim
29	Screw Press	Amcon Huber Bellmer Gmbh
30	Chain Pulley Block	Demag Kone cranes (Morris) ElectroMech Stahl Indef (Hercules)
31	Electric Hoist	Demag Kone cranes (Morris) ElectroMech (Stahl) Indef (Hercules)
32	EOT Crane	Demag Kone cranes (Morris) ElectroMech (Stahl) Indef (Hercules)
33	Jib Crane / Lifting Davit	Thern Demag Kone cranes (Morris) ElectroMech (Stahl) Indef (Hercules)
34	Laboratory Equipment	Hach Savant Instruments Global Scientific
35	Triturator / Grinder	Sulzer Börger Netzsch
36	Safety Shower & Eye washer	Francis Leslie & Co. Unicare safety
37	Centrifugal fans	Accel Flakt woods Aerovent
38	MS pipes	Jindal Saw Jindal Saw Ltd. Electro Steel Castings Tata Iron & Steel Co. <u>Jindal Star</u> <u>Surya Roshni</u> <u>Prakash Surya</u>
39	HDPE Pipes	Reliance Jain irrigation Supreme Dutron Appolo George Fischer
40	UPVC Pipes	Appolo



		Dutron Spectra Astral Supreme
41	SS Pipes	Jindal Saw Jindal Saw Ltd. Electro Steel Castings Tata Iron & Steel Co.
42	DI Pipes	Jindal Saw/ Jindal Saw Ltd. Electro Steel Castings Tata Iron & Steel Co.
43	Butterfly valves	CTV AVK VAG KBL IVC
44	Non-Return Valves	CTV AVK VAG KBL IVC Endres Fouress Durga Kirloskar Advance
45	Gate valves	CTV AVK VAG KBL IVC V-Tork
46	Knife edged gate valves	CTV AVK VAG KBL IVC V-Tork
47	Ball valves	Valtrock Pentair Fluidtech valves Aira Audco BDK Hawa Leader
48	Needle valves	Swagelok Needle valve India



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		Hoke Hy-Lok BDK Hawa Norflow
49	Solenoid valve	Mac Asco Numatics Herion werke Versa BV Rotex Hericon Danfoss U Flow <u>Jhonson Control</u>
50	Pressure release valve	Pentair Fluditech valves Asian Audco Hawa
51	Penstocks/Gates	Hambaker Adams KWT Waterfront IBS Engineering CTV Jash
52	Geared Motor	Allen Beri Radicon Greaves Elecon
53	Geared Reducer	Bonfigli SEW REMI
Note :- For Electrical & Controls related items please follow Electrical/BMS/FDAS list of makes		



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INSTRUMENTATION, CONTROL and AUTOMATION

S.No	Item/ System	Make / Manufacturer
1	Pressure gauge	WIKA Forbes Marshall Badotherm Process Instruments Baumer (Bourdon haenni) British Rototherm Ashcroft Budenberg
2	Differential Pressure Gauge	WIKA Baumer Forbes Marshall Altop Bourdon Haeni Badotherm Process Instruments
3	Chemical Sealed Pressure Gauge	WIKA Baumer Forbes Marshall Altop Bourdon Haeni Badotherm Process Instruments
4	Level gauge	Forbes Marshall Flow-tech Hi-tech
5	Pressure Switch	Danfoss Orion Dwyer Burkert Thornton Baumer (Bourdon haenni) Asco numatics
6	Differential Pressure Switch	Danfoss Orion Dwyer Baumer Bourdon haenni
7	Level Switch	Chemtrol Forbes Marshall Pepperal & Fuchs Mobrey Solatron Hi-Tech (Levelstate) Emerson V-Automat Masoneilan
8	Level Indicating Transmitter	ABB Rosemount (Emerson)



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		Honeywell Yokogawa Fuji Electric Siemens Endress & Hauser
9	Flow Indicating Transmitter	Rosemount Endress hauser ABB Yokogawa SIEMENS Pepperl+Fuchs
10	Flow meters	Rosemount (Emerson) Burkert Yokogawa ABB Endress & Hauser Krohne
11	Pressure Indicating Transmitter	ABB Rosemount (Emerson) Honeywell Yokogawa Siemens Endress & Hauser
12	Auto sampler	Emerson Forbes Marshal Yokogawa ABB Honeywell Hitachi
13	Analyser	Emerson Forbes Marshall Yokogawa ABB Honeywell Hitachi
14	Actuator for ball / gate valve	AUMA Rotork Emerson Limitorque
15	Junction Box	Hensel ABB Flexpro Baliga FCG R STAHL
16	Instrument cable / Multi pair	Belden Lapp



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		Thermocables Cortz Polycab
17	Instrument cable / Single pair	Belden Lapp Thermocables Cortz Polycab
18	HDG Cable trays -50mm side height and 300mm width , without accessories	Manibhadra Electricals OBO Betterman Rukmini Mahaveer
19	Marshaling panel (bare panel only)	Rittal Pyrotech Schneider Forbes Marshall
20	Instrument tubes	Sandwik
21	Tube fitting - Elbow	Sandwik Parker Grylok
22	Tube fitting - Tee	Sandwik Parker Grylok
23	Tube fitting - connectors	Sandwik Parker Grylok
24	Air manifold for 5 ports	Payal Engineering Equivalent
25	Instrument manifold -2 valve	Oliver Swagelok
26	Instrument manifold -5 valve	Oliver Swagelok
27	PC based SCADA system	Rockwell ABB Schneider Honeywell Yokogawa
28	PLC	Rockwell ABB Schneider Honeywell Yokogawa
29	Microprocessor based field Unit	Rockwell ABB Schneider Honeywell Yokogawa



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30	Remote terminal Unit (RTU)	Rockwell ABB Schneider Honeywell Yokogawa
31	Cabinets & Panels	Rittal
32	Network switches	Phoenix contact / Moxa
33	Any other Item	For non-listed items, contractor shall submit the sample of the product to assure the quality of the product after getting the approval of the non-listed item, contractor shall supply the item.
Note :- For Electrical & Controls related items please follow electrical/BMS/FDAS list of makes		



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Lighting

S.No	Item/ System	Make / Manufacturer
1	LED INDOOR LIGHT FIXTURES & DRIVERS (RANGE AS PER APPROVED SAMPLE ONLY)	PHILIPS (Signify) ENDO OSRAM WIPRO HAVELLS IGUZZINI LED LINEAR LIGHTNET WILA GLAMOX DELTALIGHT XAL REGENT COLORKINETICS
2	AVIATION OBSTRUCTION LIGHT	Bajaj Binay Actos Insta power
3	LIGHTING SENSORS	LUTRON HONEYWELL SCHNEIDER ZUMTOBEL CRESTON HELVER PHILIPS ENDO OSRAM WIPRO HAVELLS
4	DIMMERS & CONTROLS	LUTRON HONEYWELL SCHNEIDER CRESTRON HELVAR ZUMTOBEL PHILIPS ENDO OSRAM WIPRO HAVELLS
5	ANY OTHER ITEM	For non-listed items, contractor will submit the sample of the product to assure the quality of the product after getting the approval of the non-listed item, contractor will supply the item.



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Landscape

S.No	Item/ System	Make / Manufacturer
1	Irrigation System	Harvell Aquatech Jain Irrigation System Ltd
2	Outdoor Play and Gym Equipments	Arihant Okay Play Equipments Koochie Play Equipments Kompan Play Equipments Pan India
3	Landscape Furniture	Loom Crafts Furniture (India) Pvt Ltd ENCON ANCON Convow concrete furniture KK Manhole & Gratings Co. Pvt. Ltd. JSL Architecture Ltd Karara Mujassme
4	HDPE Grass Pavers & HDPE Drain Cell	Virendra Textiles Ovilite ZTC InternationalLandscape Solutions (Versicell) AceTurf
5	Ornate Pots (Removable planters)	Yuccabe Smart Exteriors Creda Pots Karara Mujassme
6	Stone	R.K Marble ARASI Empex Mangla Group Galaxy Enclave Pvt Ltd. Graavaa Stone Oasis
7	Waterproofing & sealant vendors	STP Ltd. Pidilite Daksh Myk Laticrete



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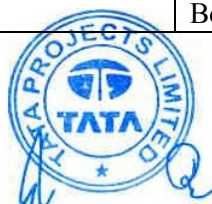
8	Stone Boulder Vendors	Karara Mujassme Ms. Chaya Kaushik Artefacts
9	Wooden Flooring	Notion Square foot Lamiwood Nitco Kajaria Simpolo
10	Tensile Canopy	ENCON ANCON APIL IMPEX Sioen Mehler Technologies Serge Ferrari Low & Bonar Taiyo Novell Polycoaters



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ICT Systems

S.No	Item/ System	Makes
1	Active Network Equipment	Campus Network - Cisco, Juniper Outdoor Switch - HIRSCHMANN, Cisco, Allied Telesys Firewall -Data Center: Juniper, Cisco, Palo alto, Checkpoint (Note: - Datacenter & Perimeter firewall shall not be from the same OEM's) Firewall Edge/Perimeter -Palo alto, Checkpoint Wireless LAN Equipment(On-Prem only) - Cisco, HP - Aruba Voice Communications - Cisco, Avaya Datacenter networking- Cisco, Arista, Juniper
2	Control Room and Monitoring Equipments Displays	NEC Barco Mitsubishi LG Planar Christie Eyevis Samsung
3	Workstation	DELL HP Lenovo
4	Conference Call Equipment	Cisco Avaya Polycom Panasonic Tell labs
5	Speaker System PA system is not with ICT under EPC2 package.	Bose Bosch Meyer Sound Renkus Heinz Biamp Ateis TOA
6	Electronic Displays	Data Modul (CONRAC) LG NEC Samsung eyevis Mitsubishi Sharp/NEC Philips Planar Samsung Sony
7	Master Clock System	Bodet



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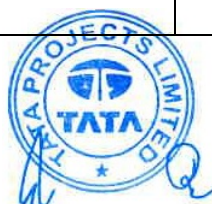
		Mobatime
8	Public Address and Mass Notification System	Bosch Biamp Ateis Meyer Sound Renkus Heinz TOA
9	Automated Voice Announcement System	[Not in Phase 1] Simpleway AviaVox
10	Security Access Control System True IP Networkable Access Door Controller & Software	Assa Abloy Axis HID Mercury Salto Synergis Tyco
	Exit Push buttons & Break Glass	Sekurit Assa Abloy Axis HID Mercury Salto Synergis Tyco
	Physical security eg. Boom Barriers /Turnstile etc.	FAAC Boonedam Kaba Magnetic Sivananda Smiths Detection Rapiscan Systems Leidos Scarabee Vanderlande CEIA
	PC	Dell HP Lenovo
	Printer	Canon HP Epson
11	Cables	Bonton Fusion Polymer Skytone
12	Card Readers Selected card reader must seamlessly Integrate with Solution selected by EPC1	Assa Abloy Axis HID Mercury Salto Synergis



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		Tyco
	Proximity cards & Readers Selected card reader must seamlessly Integrate with Solution selected by EPC1	Asa Abloy Axis HID Mercury Salto Synergis Tyco
	Biometric Readers Selected card reader must seamlessly Integrate with Solution selected by EPC1	Asa Abloy Axis HID Mercury Salto Synergis Tyco
13	Controllers Must match the make selected by EPC1 contractor	Asa Abloy Axis HID Mercury Salto Synergis Tyco
14	Structured Cabling System Optical Fibre Communications Backbone Cabling System	AT&T Cabling Systems CommScope - Systemax Leviton Corning Siemon R&M Beldon Panduit
15	Video Surveillance System	Axis Avigilon Genetec Pelco
	CCTV IP cameras	Axis Pelco Avigilon Bosch Genetec
	CCTV Software Not with EPC2	Axis Pelco Avigilon Genetec
	CCTV Monitor	[Not applicable]
	CCTV Network Switch	Refer campus switch
	NVR	[Not applicable]
	Hard Disk	[Not applicable]
16	Voice over IP System	Cisco Avaya



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17	Wi-Fi Network Equipment (OnPrem)	Cisco Aruba Networks
18	Firewalls	Cisco Palo Alto Check point Juniper
19	Intercom System Not with EPC2	2N Telekomunikace Axis Cisco Commend EMCOM Grandstream networks Siedle Valcom Vingtor-Stentofon Zenitell
20	IT Racks	Chatsworth Eaton Panduit Rittal Schneider Netrack Vertiv APC President
21	Water leakage detection system	Sontay Star Electronic C systems
22	Rodent Repellant system	Maser Star Electronic C Systems



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LIST OF RECOMMENDED SPECIALIZED AGENCIES

S. No	Description of Item	Make / Manufacturer
1	Structural Steel Fabricators	Eversendai Construction Pvt Ltd Octamec Engineering Ltd. Geodesic Techniques JSW Severfield Structures Limited Indiana Engineering Works (P) Ltd SISCOL - Steel Infra Solutions Pvt Ltd
2	Structural Glazing & Cladding System	Mero Asia Pacific Engineering Pvt.Ltd, Glass Wall Systems (India) Pvt. Ltd SP Fabricators Pvt. Ltd. Alufit (India) Pvt. Ltd.
3	Glass Processors	Asahi India Glass Limited (AIS) Saint-Gobain India Pvt. Ltd FG Glass Industries Pvt Ltd. Glasstech Industries India Pvt Ltd.
4	Tensile Fabric Fabricators & Installers	Construction Catalysers Pvt. Ltd. Technospan McCoy Architectural Systems Pvt. Ltd. Taiyo Shadeflex India Pvt. Ltd
5	Façade Cleaning	Cradle Runways (India) Pvt. Ltd., Airdeck Façade Access Systems Professional Glass Façade Cleaners, Tractel Tirfor India Pvt. Ltd, CRADLE TECH
6	Roofing System	Vijaynath Roof and Wall Cladding Systems Pvt. Ltd Roof & Ceilings Lloyd Insulations (India) Ltd Intertouch
7	Anti-Termite Treatment	Express Pesticides Pvt. Ltd. Pest Control (India) Ltd. Rentokil Bayer PECOPP Pest Control Services
8	HVAC	Blue Star Limited M/s. Sterling & Wilson Electricals Pvt. Ltd. Voltas Ltd. Daikin Air-conditioning India Pvt. Ltd.
9	Electrical	Sterling & Wilson Electricals Pvt. Ltd. Sterling Electro Enterprises Pvt. Ltd Antelec Ltd. Siemens Building Technologies P.Ltd., Schneider Electric India Pvt. Ltd., Advance Panels and Switchgears
10	Water Supply & Drainage Systems	Blue Star Limited



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		<p>Sterling & Wilson Pvt. Ltd. Volta Ltd. Laxmi Sanitary Engineers & Contractors</p>
11	Fire Protection Systems	<p>Tyco Engineering & Construction P. Ltd. Firepro Systems Pvt. Ltd., Minimax GmbH Monsher Fire Protection Systems Ltd. Volta Ltd. Blue Star Limited Nitin Fire Protection Industries Ltd.</p>
12	Fire Alarm System	<p>Honeywell Automation India Ltd., Tyco Fire & Security India Pvt. Ltd., Minimax GmbH Siemens Building Technologies Pvt. Ltd, Schneider Electric India Pvt. Ltd, Sterling And Wilson Ltd</p>
13	V H T SYSTEMS**	<p>Schindler India Pvt. Ltd. Thyssenkrupp Elevators (India) Pvt. Ltd. Otis Elevator Company (India) Ltd. Kone Elevator India Pvt. Ltd, Hitachi Lift India Pvt. Ltd, Kinetic Hyundai Elevator & Movement Technologies Ltd. Johnson. <u>Mitsubishi elevator india pvt ltd</u> <u>Fujitec India Pvt. Ltd.</u></p>
14	Sewage Treatment Plant (STP)	<p>THERMAX LIMITED Klean Environmental Consultants Private Ltd. Naik Environmental Engineers Pvt. Ltd PRABHU ENVIROTEC PVT. LTD, Oceanic Enviro (India) Pvt. Ltd, Kwan Environmental Solutions India Pvt. Ltd Enhanced Wapp Systems India Pvt. Ltd. Seamak Hi-Tech Products</p>
15	Effluent Treatment Plant (ETP)	<p>ION Exchange India Ltd, Safe Treat Engineers & Contractors Pvt. Ltd, Seamak Hi-Tech Products THERMAX LIMITED</p>
16	Public Address System	<p>ANLON IPS Engineering Pvt. Ltd. SkyTech Solutions Pvt. Ltd. ARINC Siemens Enterprise Communications Pvt. Ltd. Schneider Electric India Pvt. Ltd.</p>



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17	IBMS	Areva T&D India Ltd (Formerly Alsthom) Honeywell Automation India Limited, Siemens Building Technologies Pvt. Ltd, Voltas Ltd, Schneider Electric India Pvt. Ltd., Bajaj Electricals Limited, L&T Automation
Note: ** Makes suggested by Contractor shall meet the technical requirements, specifications, codes and standards and shall ensure fit for purpose Works.		



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