

Construction of 100 Seated (G+1) Boys & Girls hostel for Govt. ITI Athamalik in the district of Angul, Odisha



NBCC (INDIA) LIMITED

(A Government of India Enterprise)

SBG (ODISHA)

Ground floor, Tower-1, NBCC Imperia, Near New Govt. Colony,
Press Chhak, P.O. - Mancheswar, Bhubaneswar-751017 (Odisha)

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FOR THE WORKS COVERED UNDER THIS CONTRACT
LIST OF APPROVED MAKES

1) Quality of Materials and Conformity with Standards:

All materials, equipment, and products used in the works shall conform to the latest applicable Indian Standards (IS), CPWD Specifications, relevant codes, and any other statutory regulations prescribed by the Government of India. Materials shall be of approved make and design. Approval of any manufacturer/vendor shall be granted only after review of samples, catalogues, test certificates or mock-ups (as applicable) by the Engineer-in-Charge

The complete system, installation, and workmanship shall comply with the latest Applicable Codes, Standards, and Publications issued by BIS, CPWD, NBCC, MoHUA, or other competent authorities.

2) Selection from Approved Makes:

The Engineer-in-Charge reserves the right to select any brand or make from the List of Approved Makes provided in the tender documents. The contractor shall quote rates based on the highest-quality product of the brands/makes listed in the BOQ, technical specifications, and Approved Make list

No extra claim shall be entertained if the Engineer-in-Charge/ Consultant/ Client selects or changes the make within the Approved Make list, provided the item remains equivalent in specification.

3) Makes Not Listed in the Approved List:

For items for which no make is specified in the Approved Make list, the make/manufacturer shall be proposed by the contractor and shall be subject to approval by the Engineer-in-Charge, provided the proposed make meets the required technical specifications, relevant IS codes, and statutory standards.

The Engineer-in-Charge's decision regarding the acceptability of such make shall be final.

4) Procurement Rules:

A. Banned/blacklisted vendors

Materials shall not be procured from manufacturers/vendors who are debarred, suspended, or blacklisted by the Government of India, State Governments, CPWD, or PSU organizations.

B. Test Certificates

Each material shall be accompanied by manufacturer's test certificates. ISI certifications (as applicable), and warranty documents, which shall be checked and approved by the Engineer-in-Charge.

C. Statutory Compliance

All materials and installations shall comply with applicable statutory requirements including safety norms, environmental standards, fire safety guidelines (NBCS Part F), and energy efficiency guidelines (BEE/ECBC, as applicable).

D. Substitution rules

Substitution of approved materials shall not be permitted without written approval of the Engineer-in-Charge.

E. For items such as Flush door and Plywood, the manufacturer should have valid licence to operate plywood industries from divisional forest officer.

F. For Flush Door, Plywood, Modular Kitchen/Wardrobe, all procurement should be made directly from Manufacturer.

G. All materials shall be procured only from Tier-1, primary manufacturers with in-house production facilities. Traders/stockists shall not be treated as approved manufacturers unless specifically permitted by the Engineer-in-Charge.

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LIST OF APPROVED MAKES				
Sl. No.	Description of Item	Approved Makes/Manufacturers		
Civil Works				
1	AAC Blocks	ModCrete / HIL / Aerocon / UltraTech/ FerrousCrete / Godrej Tuffblocks		
2	AAC Wall Panels	Everest / Magicrete / Aerocon / Godrej / Visaka		
3	AAC Mortar	Birla Aerocon / Ardex Endura / UltraTech / Sika / MYK Laticrete / Magicrete / PAMR / FerrousCrete / UniCrete, Weber,JK		
4	Asphalt Emulsion	STP / Karnak Chemical Corporation / Chryso (MC- Bauchemie group) / BASF construction chemical		
5	Adhesives (Tile/Stone etc.)	Pidilite / Fosroc / MYK Arment / CICO Tech Ltd / BASF / Sika / Fosroc/ ReynoArch		
6	Adhesive Tape	3M India, Norton (Saint-Gobain Abrasives)		
7	Acoustic Doors / Shutters	Envirotech Systems Ltd, Anutone, Ecotone Systems, Soundxperts, Shakti Hormann Pvt Ltd, Tufwud Doors & Accessories Pvt Ltd		
8	Admixtures/Pigments/ Adhesves/ building chemical/ sealants/ curing compound	Fosroc	Sika	MC- Bauchemie
		BASF		
9	Anti Termite Treatment	Agency Authorised by Pest Control of India	Pest Control India	Godrej Pest control
10	Aluminium Composite Panel (ACP)	Alucobond	Alstrong	Aludecor
		Alutech	Alstone	Reynoarch
11	Aluminium Extrusions/Structurals/sectio ns	Hindalco	Jindal	Reynoarch/Ba nco/Hu nter Douglas
12	All paint items/ Primers/Polish	Asian Paint	Berger Paint	Nerolac
			Dulax	Shalimar
13	Aluminium Fittings	Ebco	Altima Dorset	
		Hafele	Hilton	Hardwyn
14	Bitumen	Shalimar Tar Products, Indian Oil (IOCL), Bharat Petroleum, Hindustan Petroleum		
15	Cement Primer	Asian Paints	Dulux	Berger
		Nerloac	ICI	
16	Carpet Flooring	Welspun, Flotex (Forbo Group), Euronics, Forbo, Milliken, Shaw, Mohawk, Wilton		
17	Clamp System for Dry Stone Cladding	Hilti, Fischer, Bosch, Wurth		
18	Composite Marble / Engineered Stone	Asian (Asian Granito), Kalinga Stone		
19	Ceramic Tiles	Kajaria	Somany	Johnson
		AGL	Varmora	NITCO
20	Decorative Laminates/ Vineer	Greenlam	Century	Merino
		Sunmica	KIT Ply	FORMICA
21	Deck Sheeting	Tata BlueScope / JSW / Jindal / PolyAlloy		

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22	Expansion Joint Boards & Accessories	Fosroc / MIGUA / ASP / EMSEAL / ECMAS/ Sika		
23	EPDM & Silicone Gasket / Rubber Gasket	Schüco / Sapa Building Systems (now part of Hydro) / Rayners (Rayner) / Trelleborg Sealing Solutions / Zimmer		
24	Engineered Wood flooring	Mikasa (Greenlam)	Century Ply (Trevino)	Armstrong
		Action Tesa		
25	Elevators/Lift	OTIS	Kone	Schindler
		Mitsubishi		
26	Fire Resistant Glass / Vision Panels	Saint-Gobain, Ferlite, Glaverbel, Pilkington, ASES Security, Asahi AIS, Schott		
27	Floor Hardener	Ironite, Fosroc, Hardonite, Sika, Pidilite, MYK Arment, BASF		
28	Fire Rated Doors (IS 3614:2021 & CBRI Certified)	Envirotech Systems Ltd, Pacific, Agni Suraksha, ASES Security, Sukriti, Godrej, Jain Doors, NAVAIR		
29	Full Body Vitrified tiles	Kajaria	Somany	Johnson
		Varmora	NITCO	AGL
30	Flush Door Shutter	Greenply	Century	Marino
		Kitply	ArchidPly	
31	Fully Glazed Fire Rated Doors Frame and Shutter	Navair	Saint Gobain	Shaktimet
		Hormann		
32	False Ceiling- (Calcium Silicate Boards, metal, Accoustic, Architectural, Gypsum, Toughened)	Aerolite	Armstrong	Shera
		USG Boralt/knauf	Saint Gobin	Hunter Douglas
33	Frameless Glass Door Patch Fittings	Hafele	Hettich	Dorma
		Godrej	Dorset	Ozone
34	Fastners/Anchor Bolts	Hilti/Rawl plug/MKT/	Fischer	Wuerth
35	Fasteners with chemical Anchoring System	Hilti/Rawl plug/MKT/	Fischer/Sika/Fosroc	Wuerth
36	Glass (clear/floated/tinted/frosted glass, DGU, metal, Accoustic, Architectural, gypsum, toughened)	Saint Gobain	AIS	Hindustan Pilkington
		Gujarat Guardian	Asahi	Modigaurd
37	Gypsum Plaster	Asian Paints SmartCare / Gyproc (Saint- Gobain) / JK / Birla / UltraTech		
38	Glass / Rock-wool Insulation	UP Twiga / Polyglass / Owens Corning / Lloyds / Rockwool India / Saint-Gobain (Isover) / Kaimann		
39	GRC Architectural Decorative Products	UniStone, Birla White, Unicrete, Everest Composites Pvt. Ltd., Shree GRC, Garvit Creation, National GRC Prefab Company and GFRC Innovation		
40	Glass Mosaic Tiles	Kajaria, Somany, Nitco, Piccolo Mosaic, Glastone Mosaic, Pixel Mosaic India,		
41	Gypsum Board	Saint Gobain	India Gypsum / USG Boral	Knauf
		Anakon		

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42	Hydraulic Door Closer/Concealed Door Closer	Hafele	Hettich	Dorma
		Godrej	Dorset	Ozone
43	Hollow Section Pipes (IS 4923)	Tata Structural / JSW / JSPL / APL Apollo / Surya/ APL Apollo		
44	Hardware For Fire Check Door	Dormakaba, ASSA Abloy, ASES Security, Hafele, Yale, Hormann, Promat, Bristol		
45	Heat-Resistant Tiles	Swastik, Thermatek, AGL, Pavit, VTN, Thermotek, Dalal Tiles, Swastik		
46	Linoleum Flooring	Gerflor, Tarkett, Marmoleum (Forbo)		
47	Laminated Particle board	Merino	Greenlam	Century
		Novapan	KIT Ply	Archid
48	Mortice Lock & Latch/Night Latch/ Multipurpose Lock/Handles	Hafele	Hettich	Dorma
		Godrej	Dorset	Ozone
49	Metal (GI) Roofing Sheets	Tata BlueScope / SAIL / Jindal / Lloyd		
50	Mechanical Couplers	Maurer Sanfield, SNTP, Scintilla		
51	Moisture Resistant Board	Saint-Gobain, Greenlam, Century		
52	Mechanical Parking (Stack Parking)	RR Parkon, Klaus Multiparking Systems, Spartan Engineering Industries, i-stroon Car Parking Systems, Wöhr Parking Systems, Elevate Parking Systems		
53	Melamine Polish / Wood Finish	Asian Paints, Pidilite, ICI Dulux, Berger Paints		
54	MDF Board	Novapan	GreenPly	Century
		ArchidPly	KIT Ply	MERINO
55	Non-Metallic Floor Hardener	CICO / Fosroc / UniCrete / BASF, Sika		
56	Non-skid Ceramic tiles	Kajaria	Somany	Johnson
		AGL	Varmora	NITCO
57	Ordinary Portland Cement or PPC or PSC	Ultratech	Dalmia	A.C.C.
		J.K.cement	Ambuja	Birla
		J.K. Laxmi	Bangur	
58	Polycarbonate Sheets	MG polyplast	Palram	Tilana
		Arko	Coxwell Domes	
59	Polyethylene Board / Backup Rod	Supreme Industries / Finolex		
60	Polycarbonate Roofing Sheets	Danpalon / Polygal / DPI Daylighting / Kg Plast / MPP/PolyAlloy		
61	Pressed Steel Frame	AGEW / SANHHARVIC / RAYMUS		
62	Parallel Threaded Couplers	Dextra, Halfen, Usha Martin		
63	Polyester Powder Coating	AkzoNobel, Asian Paints, Berger		
64	Powder Coatings	Asian Paints, Jotun, Berger Paints, and AkzoNobel (PPG Asian Paints)		
65	Paver Block, Kerb Stone, interlocking Pavers, grass pavers	NITCO, Unitile, UltraTech (for concrete products), Pavit, Dalal Tiles, Hindust, GICO, Star		
66	Plaster of Paris	JK Cement, Birla, Lafarge, Shriram, FerrousCrete		
67	PVC Interiors Louvers	Supreme Industries, Finolex, Fenesta's PVC, Alstone, CenturyPly		
68	PreLaminated Particle Board/Plywood/BlockBoard)	Greenply	Century	Kitply
		ArchidPly	Merino	
69	Polysuphide Sealants	MC Baucheme	Fosroc	Sika
		BASF		

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70	PVC Doors and Windows	Fenesta	Sintex	Rajshree
		Veka		
71	Polyster Powder Coating	Nerolac	Berger	Akzonobel
		Asian	Durolac	
72	RMC	UltraTech RMC / ACC Ready Mix / JK Lakshmi RMC, L&T, Grasim, Johnson Prism Mandatory Note: RMC shall be sourced only from manufacturers approved by the Engineer-in-Charge. The contractor shall furnish the list of nearest RMC plants, including relevant credentials, for the Engineer-in-Charge's approval if approved makes are not available within a reasonable distance from project (with plant coordinates and production certification).		
73	Reinforcement Steel bar	SAIL	Tata	RINL
		Jindal Steel & Power Ltd.	JSW	
74	Rolling Shutters	RAMA / Prakash / Gandhi / Shakti Hormann		
75	Revolving Doors	Dormakaba, Boon Edam, ASSA Abloy		
76	Rebarring Chemicals	Hilti/Fosroc	Fischer/Sika	Wuerth/Bosch /MYK
77	Silicone Water-Repellent Solution	Bayer / Remmers / DuPont (or Dow Corning for silicones) / ECMAS / Sika / Fosroc / BASF, G.E/ Wacker		
78	Stainless Steel	JSL/JSW/SAIL Rashtriya Dhatu Nigam, Tata Steel, Jindal Steel & Power Ltd		
79	Stainless Steel Railing and its accessories	Jindal Stainless, Tata Steel, OZONE, SAIL, SALEM STEEL PLANT, APL APOLLO		
80	Shoe Glass Railing	Saint-Gobain, Guardian, Remson / Q-Railing		
81	Structural Glazing	Saint-Gobain, Pilkington, Guardian, AIS (Asahi India), Glaverbel		
82	Shower Cubicles	Saint-Gobain, Hindware, Jaquar, Kohler		
83	Structural Steel/M.S Tube	SAIL	Tata Steel	RINL
		Jindal Steel & Power Ltd.	JSW	APL (APOLLO)
84	Swellable Bar	Sika	Fosroc	BASF
		MYK Arment		
85	SS Hardware Fittings	Hafele	Hettich	Dorma
		Godrej	Dorset	Ozone
86	SS Spider Fittings	Hafele	Hettich	Dorma
		Godrej	Dorset	Ozone
87	Silicon Sealants	SIKA	Wacker	Fosroc
		Alstone	Dow	Tremco
88	Self supporting Metal roof	Proflex/Rooftech/Ka Izip/Mercury/Kailash	Steelcraft/Kirby/ SAFINTR A	Tata blue scope
89	Tensile roof fabric	Shade Co	Mehler	Akruti
90	Terrazzo Tiles	NITCO, Modern Tiles, Hindustan Tiles, KG Tiles		
91	Tile Joint Filler	Roff (Pidilite), Myk Laticrete, Bal Endura (Saint-Gobain/ Bal)		
92	Tile & Stone Adhesive / Epoxy Grout	Pidilite / Dr. Fixit / Myk Laticrete, Forsroc, BASF, Ardex Endura, Sika, CICO, FerrousCrete		
93	Toilet Cubicles	Merino, Greenlam, Greenply, Archidply, Formica		

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94	p	Fenesta	Veka	Saint Gobain
		Duroplast	NCL Wintech	Wallnox
95	Vitrified tiles (PGVT/DGVT)	Kajaria	Somany	Johnson
		AGL	Varmora	NITCO
96	White Cement	J.K. Laxmi	Birla	ACC
97	Wall Putty	Birla White	JK White	Asian paint
		Berger	Nerolac	
98	WPC Jali / WPC Board / WPC Door/ WPC Panels/ Shutters	Century, Alstone, Floresta, Reynobond,		
99	Waterproofing Chemical, chemicals/building materials for expansion joint works	Fosroc	Sika	MC-Bauchemie
		BASF		
100	Wall Panelling	Knauf	Armstrong	Anakon
		Saint Gobain	Greenply	merino/greenlam
101	Wooden Laminate Flooring	Century Ply	Mikasa (Greenlam)	Marino
		Armstrong	Action Tesa	
102	Wooden Sports Flooring	Sundek	Asian Flooring India	Sunflex
103	WPC Frames & Shutter	Century Ply	Kitply	Archidply
		Ecoste		
104	Window Blinds/Curtains	Vista	Hunter Douglas	MAC/De-Décor/casa décor
FURNITURE				
1	Furniture/Built-in Furniture	Godrej	HNI	Wipro
		Featherlit	HOF	Herman Miller
2	Sauna Cabins	Oyster	Artize	Jacquar
3	Wallpaper	Asian Paint/Nilaya	Marshall	D-Décor
4	Modular Kitchen & Wardrobe Manufacturs – Tier-1 Manufacturers Only	Godrej Interio / Royalsafe / Kutchina/Pepperfry/ Hattich/Hafale		
PLUMBING & SANITARY				
1	All CP fittings & Accessories	Jaquar	Grohe	ROCA
		TOTO India	Kohler India	
2	All Sanitaryware	Jaquar	TOTO India	Kohler India
		Hindware		
3	All PVC/PTMT Items	Willo	Plasto	Prayag
		Polytuf	Vectus	Polo
4	All Gun Metal Valves	SKS/Cim	Castle/Emerald	Zoloto/C&R
5	All types of valves	SKS/SANT/L&T/Kirloskar	Danfoss/Advance/Honey Well	Zoloto/C&R/Leader
6	Atactic Polypropylene	STP	SIKA	Fasroc
		BASF		
7	Air Release Valves	Emerald	Leader	Zoloto
8	Ball Cocks/ Valves	GPA	Sant	L&K
9	Brass Stop & Bib Cock	Zoloto	Sant	L&T
		Leader	Astral	
10	C.I. double flanged sluice valve	Zoloto	Emerald	Castle
		AIP	SKS	
11	CI Fittings & Pipes	Neel	Kartar	Electrosteel

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12	Centrifugally Cast (Spun) Iron Pipes & Fittings	NECO Saint Gobain	SKF Jindal SAW	Electrosteel
13	Centrifugally Cast (Spun) Iron(Class LA) Pipes	NECO	Electro Steel	TATA
14	C.I. Manhole covers, Frames & GI Gratings	NECO SKF	RIF Jain Spun Pipe Co.	BIC Electro steel
15	Check Valve - Dual Plate / Ball Valves	Zoloto	Emerald	Leader
16	Check Valve Forged Screwed	CIM/ Leader	Sant	Zoloto
17	Concealed cistern	Hindware Jaquar	Cera	ROCA
18	DI Pipes & Fittings	Electrosteel	Jindal/Kalinga	Tata Ductura/Saint gobain
19	Dosing system	Milton Roy	Asialmi	Grundfoss/LM I/Pronin ent
20	D.I. Manhole Covers & Frames	Neco	Raj Iron Foundry Agra	Kartar
21	Drinking Water Cooler	Blue Star	Voltas	Usha
22	Filter / Softener	Ion Exchange Watcon	Renaissance Aqua	Pentair
23	Float Valve	IVC KSB	Leader	Zoloto
24	G.I. / M.S. Pipe	Tata APL Apollo	Jindal Zenith	Surya Prakash
25	G.I. Fittings	Unik R-Brand	DRP-M Surya	Zoloto Neco
26	Grease Trap / Separator	ACO	Wade/ Mifab	Kassel/Ventila ir
27	Hand Drier	Jaguar	Kohler	Grohe/TOTO
28	HDPE Pipes	Supreme	Prince	Ashribad/Astr al
30	Liquid Level Controllers/ Liquid Level Indicator	Advance	Honey Well	Danfoss/Siem ens/AB B
31	Mechanical Seal	Burgmann	Sealol	
32	Pressure Gauge	Fiebig	H. Guru	Danfoss
33	PVC water storage tank	Sintex Vectus	Polo Supreme	Plasto
34	Pumps	Grundfoss Kirloskar	Xylem Crompton	WILLO
35	RCC Pipes	As per IS-458		
36	Solar Water Heating System	Tata BP	Honey Well	Racold solar water heating system
37	Stainless Steel Sink	Neelkanth	Nirali	Cera
38	SFRC Manhole covers & gratings	KK T-CON	OCR Supreme India	Pragati
39	SS Pipes	Jindal Salem Steel Plant	APL-Apollo Alfapress	Tata Steel

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40	Temperature Sensor / Gauge	Forbes Marshall	Danfoss/ABB	Wika/Honeywell
41	UPVC/PVC/CPVC Pipe and Fittings	Astral	Supreme	Finolex
		Ashirwad	Prince	Prayag
42	Vessels	Astral	KGM	Structural
43	Water Treatment Plant, RO, Filters, Softener	Ion Exchange, Pentair (USA), Thermax, GE Water (now SUEZ Water Technologies), Voltas, Vatech Wabag		
44	Water Meter	Capstan	Zoloto	Leader
45	wafer type valves	SKS		AIP
		Zoloto	leader	Sant
46	Water Heater (Geyser)	Havells	Bajaj	Croma
		Orient	Hindware	Crompton
		Usha	Haier	
47	Y – Strainers	Zoloto	Emerald	Castle
		AIP	SKS	
ELECTRICAL				
1	415 V, switchgear	ABB	Lauritz & Knudsen	Schneider
		Legrand	C&S	
2	33 KV VCB HT Panels	C&G	Siemens	ABB
		Schneider	L&K	Legrand
3	Air Circuit Breaker	Schneider	Siemens	ABB
		C&S	Legrand	Lauritz & Knudsen
4	APFC Relay	Epcos	Lauritz & Knudsen	Syntron
		Siemens	Schneider	C&S/Minisec
5	ATS (Automatic Transformer Switch)	Asco	Caterpillar	GE/L&K
6	Alternator	Leroy Somer	Caterpillar	Stamford
		Kirloskar	cumains	
7	Batteries	V-Guard	Exide	Amaron
8	Batteries Charger	Uptron	Volstat Electronics	Luminous
		AE	Exide	
9	Bus Ducts / Rising Mains	Schneider	Legrand	C&S/L&K
10	Current Transformer (Cast Resin Epoxy Coated) / Potential Transformer	Neptune	Gilbert	Kappa/Maxwell
11	Contactors	lauritz knudsen	Crompton	Schneider
		C&S	ABB	
12	Cables	Finolex/Havells	Polycab	KEI/Gloster
13	controller / Dimmer	Leksa light/wipro/Spotlight/Legrand	Wipro/Lutron	Canara Lighting
14	Cable Tray	RMCON	Ricco	Elcon
		BEC	Legrand	OBD
15	Capacitor	ABB/Schneider	Crompton Greaves	Siemens/ lauritz Knudsen

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16	Ceiling Fan / Exhaust Fan	Crompton	Havells	Usha
		Orient	Bajaj	
17	Cables Glands	Comet	Dowell	Siemens
		Jainsons		
18	Capacitor bank (ISI Marked)		Schneider	Siemens
		ABB	C&S	Lauritz & Knudsen
19	DLP Trunking	Honeywell	OBO Betterman	Legrand/MEM/BEC
20	DG Set	Sterling & wilson/Cummins/Perkins	Caterpillar/Kirloskar	Jackson/captiva
21	Diesel Engine	Cummins	Caterpillar	Kirloskar
		Perkins		Ashok Layland
22	Electrical Digital Meter with LCD Display	Neptune	Schneider	Siemens/L&K
23	Exhaust fan	Crompton Greaves	Bajaj	Havells
24	Electrical Panel	lauritz knudsen	ABB	Schneider
		Precision	Legrand	Siemens
25	ESE Lighting Protection System	ABB	JMV	Tercel
		Erico	OBO	Alkaltech
26	Electrical Motor / Motor Starter / Contactor /Switches	Siemens	ABB	Crompton
		Kirloskar	Wilo	Groundfos
27	FRLS PVC Insulated Copper Wire	Havells	Finolex	KEI
		Polycab	Gloster	
28	Floor Trunking / Raceway	Honeywell	SPC Elect	Legrand
		Precision	VDEAL	
29	Flow Meter	KENT	Advance	Alfa
30	GAS BASED Aerosol SUPPRESSION SYSTEM	Dynameco/Firepro	Pyrogen/Stat-X	
31	HRC Fuse and Fuse Fitting	ABB	GE	Siemens
		Neptune	L&K	
32	High Mast	Wipro	Bajaj	Havells
		Philips		
33	H.T. Termination & Joining Kit	Ray Chem	M-Seal	Birla
34	Indicating Lamps	Siemens	Schneider	ABB/L&K
35	Indicating meters	IMP	lauritz knudsen	MECO/Siemens
		AEP	SIMCO	RISHAB
36	Internal Lighting LED	Philips	Havells	Bajaj
		Crompton	Wipro	Panasonic
37	Lugs / Gland	Dowel	Comet	Jainson
38	Lighting distribution board	ABB	Schneider	Legrand
		C&S	Adhunik	lauritz knudsen
39	Level Controller/Indicator	ADVANCE	H Guru	Minilec/castan
40	LT Panel (PTTA/NTTA)	Precision/ABB	Schneider	Lauritz & Knudsen
41	Lighting Control	Lutron	Crestrol	
		Scheider	Havells	
42	MS Conduit ISI Marked	RMCON	AKG	Atul
			BEC	steel kraft

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43	MCB Distribution Boards	ABB	Schneider	Legrand
		C&S	Adhunik	lauritz knudsen
44	MCCB	Siemens	Legrand	Schneider
		ABB	Havells	Lauritz & Knudsen
		C&S		
45	MCB / MPCB/DB	Siemens	Legrand	Schneider
		ABB	Havells	Lauritz & Knudsen
			C&S	
46	Motors	Kirloskar	Crompton	Grundfoss
		Wilo	Lubi	Wilo
47	Modular Type light & power Accessories (Switches, socket etc.) G.I. Switch Boxes	Legrand	Schneider Electric	Havells
		Wipro	C&S/ABB	Crabtree(Philipp)
48	Multifunction Meters	Schneider	Siemens	Neptune
		Crompton	ABB	C&S
49	Octagonal Steel Pole	Bajaj	Crompton	Havells
		Utkarsh	Tata	
50	Outdoor Lighting	Philips	Bajaj	Havells
		Wipro		
51	Push button element / indicating lamp	lauritz knudsen	C&S	Schneider
		ABB		
52	Protective Relay	lauritz knudsen	C&S	Schneider
		ABB		
53	Pressure Gauge/ D.P Gauge	H. Guru	Fiebig/Emerald	(General Instrument)
54	Power Contactor-AC 3 Rating / Capacitor Duty Contactor / Starter	Siemens	C&S	ABB
		Schneider	Legrand	Lauritz & Knudsen
55	Power Cables / Control Cables up to 11 KV	Polycab	Finolex	Havells
		KEI	Gloster	
56	PVC Conduit	AKG	Astral	Polycab
		Prince	Supreme	Ashrivad, Finolex
57	Protection Relays	ABB	Schneider Electric	Siemens/L&K
58	PLC	Schneider	Allen Bradle/L&K/ABB	Siemens/ Neptune/Rock well
59	Switches and Fuses	lauritz knudsen	Havells	Schneider
		ABB	Legrand	C&S
60	Smart street lighting Stage Lighting system / DMX	Wipro	Philips	Havells
		Bajaj		
61	Solar Street Light Fitting with pole	Philips	Bajaj	Crompton
		Wipro	Havells	Panasonic
62	Solar Panels	Tata Solar	Adani Solar	Vikram Solar
		Waaree		
63	Transformers	C&G	Schneider	ABB
		Siemens	Kirolaskar	

Construction of 100 Seated (G+1) Boys & Girls hostel for Govt. ITI Athamalik in the district of Angul, Odisha

64	TTA (Type Tested Assembly) Electrical Panels (Any approved OEM)	Siemens/ABB	Schneider/Legra nd	Lauritz & Knudsen
65	UPS System	Legrand	Eaton	Delta
		Schneider	Numeric	Hitachi
HVAC WORK				
1	Air Handling Units & TFA: Air Handling Units (Eurovent / AHRI Certified) / FCU	Zecoaircon/ Crystalair/ Waves/ VTS/ Edgetech/ Castle		
2	Air Washer/Scrubber	Zeco/ Waves/ Humidin/ Airflow/ Damair/ Ambesse dor/ E-flow		
3	Axial Flow Fan	Nicotra/ Kruger/ Airflow/ Crystal/ Systemair/ Eflow		
4	Actuators&Modulating Motors	Danfoss/ Honeywell/ Scontrol/ Flowcon/ Belimo		
5	Air Vent Valve	Sks /Belimo/ Zoloto/ Honeywell/ Danfoss/ Free Se/ Siemens		
6	Air Separator&Dirt Separator	Anergy/ Emerald/ Rapidcool/ Flamco		
7	Actuators For Fire Dampers	Belimo/ Siemens/ Honeywell/ Schneider		
8	Air Curtain	Magneto/ Dynamicengg. / Becon/ Bts		
9	All Pumps	Grundfoss/ Xylem/ Armstrong/ Lubi		
10	AHU/Fan	Carrier/ Voltas/ Citizen		
11	Auto Air Vent	Anergy/ Rapidcool/ Oventrop/ Emerald/ Cim		
12	Aluminium Sheet	Nalco/ Hindalco/ Balco/ Vedanta/ Virgo		
13	Adhesive	Supreme, Paramount, Thermaflex		
14	Btu Meter	Kamstrup/Shenitech/Sontay/ Rossweiner		
15	Copper Pipe	Maxflow, Rajco, Mandev/ RR Shramik		
16	Chiller	Trane/ Carrier/ York/ Daikin		
17	Cooling Tower	Bell/ Paharpur/ Mihir		
18	Copper Pipe	Rajco/ Mandev/ Rr Shramik		
19	CO/CO 2 Sensor	Danfoss/ Honeywell/ Scontrol/ Seimens		
20	Copper Refrigerant Pipe	Camipro/ Rajco/ Mandev/ Mehtatubes (Maxflow)/ Qualitytubes/ Rr Shramik		
21	Chilled Water Hi- Wall&Cassette	Caryaire/ Edgetech/ Voltas/ Carrier/ Mitsubish I/ Daikin/ Bluestar		
22	Control Valve(2- Way)Valve With Proportionate Thermostat/Sensor&Co	Sks/ Advance/ Zoloto/ Danfoss/ Castlefloe/ Axin/ Eme Rald/ Honeywell/ Cim/ Siemens / Nexus/ Ballorex		
23	Demand Ventilation- Equipment/Motorized Assembly/Integrator	Glenstorm/ Tristar/ Cynor/ Trox		
24	Differential Pressure Switch	Siemens/ Rapidcontrol/ Sant/ Honeywell/ Jhonson/ Schneider		
25	Duct Supports	Gpl/ Gripple/ Easyflexzip-Clip/ Ductmate		
26	Expanded Polystyrene(TF Quality)	Beardsell, Styrene Packaging, PR Packaging		
27	Electronic Air Filtration System/Air Purification System/UVGI	Honeywell/ Zeco/ Aeropure/ Intelligreen/ Signify/ Ultrapure/ Airultra		
28	Expansion Tank	Anergy/ Emerald/ Rapidcool/ Flamco		
29	Expanded Polystyrene	Styrenepackaging/ Beardsell/ Llyod		

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30	Expansion Bellows	Resistoflex/ Easyflex/ Areaflex/ Dunlop/ Axin/ Castle
31	Fire Damper	Mapro, Tristar, System Air
32	Filters	Mechmark/ Thermadyne/ Anfilco
33	Flow Switch	Emerald/ Anergy/ Honeywell/ Siemens/ Axin
34	Flexible Connection	Resistoflex/ Emerald/ Kanwal/ Axin
35	Factory Fabricated Ducts	Zeco/ Ductofab/ Dustech/ Waves/ Damair/ Cryst Alair/ Pioneerairtech/ Rolastar/ Iqra
36	Fire Dampers/Back Draught Dampers	Cynor/ Mapro/ Systemair/ Caryaire
37	Fan Coil Unit&Cassette Unit	Sinko/ Trane/ Carryaire/ Aermec/ Vts
38	Firesealants	Birla 3 M
39	FCU Link/Kit	Ats (Csi)/ Oventrop/ Cim/ Caleffi
40	Flexible Duct Connection	Uptwiga/ Caryaire/ Atco/ Pyroguard/ Rolastar
41	Glass Wool	UP Twiga, Owen Corning
42	G.I.Pipes	Tata/ Jindal-Hissar/ Sail/ Aplapollo
43	G.I.Sheets/MS Sheet Ducts	Tata/ Nippon/ Sail/ Jsw
44	Grilles/Diffusers/VCD/Louvers	Mapro/ Cynor/ Systemair/ Caryaire/ Airflow/ Reynoarch
45	Grooved Coupling&Fitting	Victaulic/ Love Joy Aspertech Specifications
46	Glass Wool	Twiga/ Owncorning/ Kimmco
47	Grille/Diffusers	Mapro, Tristar, System Air
48	Hot Water Generator	Rapidcool/ Sandhu/ Emerald/ Kepl
49	Heavy Duty Pipe Support Clamps	Hira Arosio
50	Heat Recovery Wheel Units	Dri/ Enventus(Ostberg)/ Flaktwoods
51	Heat Pipe	Hpt/ Vts
52	Insulation Adhesive	Pidilite/ Foster/ Cisbond/ Henkel
53	Inline Fan	Kanalfakt/ Kruger/ Airflow/ Wolter
54	Motorised/Non- Motorised Valves	Sks/ Advance/ Zoloto/ Danfoss/ Castle/ Honeywell/ Siemens
55	M.S Pipes	Tata/ Jindal-Hissar/ Sail/ Aplapollo
56	Nitrile Rubber/EPDM Insulation	Supreme/ K-Flex/ Superlan/ Armacel/ Aerocell
57	Controller/PICV	Ballorex
58	Nitrile Rubber/XLpe	Supreme/ Armacell/ Aerolam/ Alp
59	Nitrile Rubber	Armacell, K Flex, A Flex
60	Online Scale Preventer	Scaleguard/ Crystallo/ Supermo/ Elgrerry
61	Propeller Fans	Kruger/ Ge/ Crompton/ Khaitan/ Alstom/ Bajaj
62	Plate Heat Exchanger	Gea/ Alpha/ Kelvion/ Thermax
63	Pot/Y-Strainer	Sks/ Advance/ Zoloto/ Danfoss/ Castleaxin/ Emerald/ Honeywell/ Cim/ Siemens
64	Pressure Gauge /Thermometer	H.Guru/ Emerald/ Anergy/ Axin
65	Pressurization Unit & Side Stream Filtration	Anergy/ Emerald/ Rapidcool/ Flamco/ Lakos
66	PUF Pipe Supports	Malanpur/ Lloyd
67	PUF Slabs	Malanpur/ Lloyd
68	Pressure Gauge	Feibig/ H.Guru/ Emerald/ Danfoss/ Hd
69	Protective Coating Over Insulation (Lag Coating)	Pidilite/ Foster/ Idendan/ Cisbond/ Ecmass

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70	Plug Valve	Anergy/ Rapidcool/ Audco/ Advance/ Zoloto
71	Rh Sensor	Belimo/ Honeywell/ Siemens/ Omicron/ Jhonson Controls/ Schneider/ Havells
72	Resinbonded Glass Wool Acoustic Insulation	Uptwiga/ Owenscorning/ Kimmco/ K-Flex
73	Steel Wire Rope Hangers&Supports	Gripple/ Zipclip/ Dobbygrip
74	Switchgear	Schneiderelectric/ Abb/ Siemens/ Larsen &Turbro/ Legrand/ Havells.
75	Suction Guide With Strainer	Anergy/ Armstrong/ Emerald/ Axin/ Zoloto/ Castle
76	Sound Attenuator	Ruskin/ Systemair/ Trox
77	Thermostats	Danfoss/ Belimo/ Siemens/ Honeywell/ Emerald
78	Thermometers	Feibig/ H.Guru/ Emerald
79	UVCi	Universaluvsolutions/ Uvtronix/ Supco
80	UV Protectionover XLPE/Nitrilerubber	Poly Band, Amicol
81	UPVC/PVC Pipe	Supreme/ Astral/ Finolex/ Ashirwad/ Prince
82	Ultrasonic BTU Meter	Belimo/ Siemens/ Honeywell/ Shenitech
83	VRV/VRF System	Daikin/ Carrier/ Mitsubishi/ Hitachi/ Voltas/ O-General
84	Volume Control Damper	Mapro, Tristar, System Air
85	Vibration Pads/Isolator	Easyflex/ Resistoflex/Dunlop/Kanwal/ Flexionix
86	VFD	Siemens/ Abb/ Fuji/ Belimo/ Schneider/ Lauritz Knudsen/ Danfoss
87	Wet/Dry Scrubber	Zeco/ Airflow/ Dustech/ Airwaves/ Humidin/ Dam air/ Ambessedor/ E-flow
FIRE FIGHTING & FIRE Alarm WORKS		
1	20 mm Dia Rubber Hose for Hose Reel	GUARD, SUPEREX, LIFEGUARD, SAFEFIRE,EXFLAME, Kalpex, OMEX, Newage, Minimax, Swati Fire, HD Fire Protect
2	Annunciation Panels	Schneider, ABB, Siemens, L&T (Lauritz Knudsen),Legrand, Havells, AEGIS, Rotex, Honeywell, Tyco
3	Anticorrosive Pipe Treatment & Wrapping Systems Conforming to IS:10221 – 1982	Pypkote (IWL), Tapex, Coatek, STP Limited, Shalimar Paints, Asian Paints
4	Anti-Suction and Delivery Flexible Pipe Connectors	Dunlop, Resistoflex, Easyflex, Kanwal, Mason Industries, Flexionix
5	Anti-Vibration Mounting	Dunlop, Resistoflex, Kanwal, Flexionix, Mason Industries, KBL, Armstrong Fluid Technology, Supreme
6	Anti-Vibration Pad	Dunlop, Easyflex, Flexionix, Resistoflex, Kanwal, Kirloskar
7	Balancing Valve	As listed in HVAC / Ventilation system
8	Beam Detectors (Projected Beam Smoke Detectors)	Edwards, Notifier, Siemens, Simplex, Bosch, Honeywell, HOCHIKI, System Sensor
9	Braided Flexible for Sprinkler	Victaulic, Tyco, Anvil, EASYFLEX, Reliable, HD Fire Protect
10	Butterfly, Ball, Gun Metal Gate Valves	Zoloto, Sant, Audco, Kirloskar, Danfoss, Advance, Leader, IVC, Tyco / Viking / HD Fire

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11	Cast Iron (CI) Flanged / Dual Plate / Wafer Type / Disk Type Valves	Zoloto, SKS (S.K.S. Ispat), Honeywell, Advance, KBL, Sant, Audco, IVC, Danfoss
12	Cast Resin Current Transformers (CTs)	Schneider, ABB, Siemens, L&T (Lauritz Knudsen), C&S Electric, Kappa Electricals, HPL Electric, Powerstar, Servokon
13	Coal-Tar Treatment for Pipes (anti-corrosion)	IWL, COATEK, Asian Paints, Berger Becker Coatings
14	Communication Cables, specifically Single Mode Optical Fiber Cables (OFC)	Legrand, Belden, CommScope, AFL, Siemon, Panduit (Pan-Net), Corning, D-Link, Finolex / Polycab / Notofire
15	Contactors, Timers & Overload Relays	Schneider, ABB, Siemens, L&T (Lauritz Knudsen), Havells, Areva, Legrand, Eaton, C&S, Omron
16	Control Panel of Terrace Pumps	Finolex, KEI, Polycab, Havells, AKG, Delton, Plaza, RR Kabel, Sterlite Power
17	CT (Current Transformers) & PT (Potential Transformers)	Schneider, ABB, Siemens, Lauritz Knudsen, Legrand, Havells, HPL Electric & Power, AEG, Powerstar, Servokon
18	Dash Fasteners (mechanical anchors, wedge anchors, sleeve anchors)	Hilti, Fischer, Wurth, Dyna, Bosch Rexroth, Anker, Mungo
19	Deluge Valve	Tyco, Viking, Honeywell, HD Fire Protect, Victaulic, Anvil, NAFFCO
20	Detectors, Devices & Modules	Edwards, Notifier, Siemens, Simplex, Bosch, Honeywell, HOCHIKI
21	DI Fitting Screwed	NVR/DRP-M/VICTALUIC
22	Diesel Engines including fire pumps (jockey / backup)	Cummins, Caterpillar, KOEL, Kirloskar (KBL / KEC), Mahindra Powerol, Perkins, Ashok Leyland
23	Electrical Switchgear	Schneider Electric, ABB, Siemens, L&T, Legrand, Havells, Anchor, Anchor
24	Enamel, Primer, and Paints for Pipes and Other Surfaces	Asian Paints, JSW, Berger, Nerolac, Indigo Paints, Shalimar Paints, AkzoNobel (Dulux)
25	ERW / Butt Welded Fittings	MEC (Jainson), Unik, ISMT, PSP, Gerlinger
26	FAS&PA (Fire Alarm Systems & Public Address) Signal and Communication Cables	Finolex, Polycab, Legrand, Belden, Excel, KEI, RR Kabel, LAPP, DICABS, Notofire,
27	Fire Extinguishers	Ceasefire, Minimax, Kidde, Guard, Lifeguard, Safefire, NAFFCO, Newage
28	Fire Hose Cabinet	Newage, Ceasefire, Lifeguard, Minimax, HD Fire Protect, Swati Fire, NAFFCO
29	Fire Pumps / Motors for Fire Pumps	Siemens, Kirloskar (KBL / KOEL / KEC), Crompton, ABB, Grundfos, Xylem, Wilo, Armstrong
30	Fire Sealant and firestop systems	Hilti, Wurth, Birla 3M, Huntsman
31	Fireman's Axe	Newage, Minimax, Swati Fire, Lifeguard, Ceasefire, HD Fire Protect, Safex
32	Flexible Connectors (Drops) for Sprinklers	EASYFLEX, VIKING, NEWAGE, Tyco, HD Fire Protect, Victaulic, Kofulso

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33	Flexible Drops (Connectors) for Sprinklers (UL Approved)	HD Fire Protect, Kofulso, Tyco, Viking, Easyflex, Victaulic
34	Flexible Duct Connector	Mapro, Kanwal, Resistoflex, Acoustic India, Flexionix
35	Flexible Fire Hoses with Gunmetal Male & Female Couplings	Newage, Safex, Lifeguard, Ceasefire, Minimax, Swati Fire, HD Fire Protect
36	Flow Switch	System Sensor, Potter, Honeywell, Siemens, Tyco, NAFFCO, HD Fire Protect, Danfoss
37	Foot Valve with Strainer	Kirloskar, Leader, Zoloto, Sant, IVC, Advance
38	GI Fitting	Unik, Zoloto, Tarun, Jainson (MEC)
39	GI/MS Pipes	Tata Steel, Jindal, Surya, APL Apollo
40	Groove Fittings (UL Listed)	Victaulic, Jainson, Newage
41	HDMI & VGA Patch Cords	Extron, Liberty AV, Kramer, Belden, Atlona, PureLink, Crestron, Barco
42	Hose Drums (Hose Reels)	GUARD, SUPEREX, LIFEGUARD, SAFEFIRE, EXFLAME, Kalpex, MINIMAX, Newage, HD Fire Protect, Swati Fire
43	Hose Reel Drum / Thermoplastic Hose / RRL (Reinforced Rubber Lined) Hose / CP (Canvas / Percolating) Hose	Newage, Superex / Safefire, Lifeguard, Ceasefire, Minimax, Swati Fire, HD Fire Protect
44	Indicating Lamp & Selector Switches	Schneider, ABB, Siemens, L&T, Legrand, Havells, Salzer, Kaycee, Eaton, Omron
45	Installation Control Valve	Tyco, Honeywell, Kirloskar, HD Fire, GUARDS, NAFFCO, Viking, Reliable Automatic Sprinkler
46	LCD / LED	Sony, Panasonic, Samsung, LG
47	M.S. (Mild Steel) structural elements (e.g., beams, channels, angles, tubes, sections)	TATA (Tata Steel), Jindal (JSW, JSPL), SAIL, and Surya, APL Apollo, Essar Steel
48	Main Control Panels, including Repeater Panels & Graphic Display Software	Edwards, Notifier, Siemens, Simplex, Bosch, Honeywell, HOCHIKI, Notofire
49	Manual Pull Stations (Manual Call Points), Hooters / Sirens, & Strobes / Visual Alarm Devices	Edwards, Notifier, Siemens, Simplex, Bosch, Honeywell, HOCHIKI
50	MCCBs, MCBs, RCCBs, MPCBs (Motor Protection Circuit Breakers)	Schneider, ABB, Siemens, L&T, Legrand, Havells, HPL, C&S, Anchor, Eaton, IndoAsian, Adhunik
51	MCPs (Manual Call Points)	Notifier, EST, Honeywell, Bosch, Siemens, Tyco, NAFFCO
52	Mechanical Seal	DURAMETALLIC, BURGMANN, AESSEAL, John Crane, KBL, Hi-Tech Seals
53	Motor Starters (Direct on-line / DOL, Star-Delta, Soft Starters, VFDs)	Schneider, ABB, Siemens, L&T (Lauritz Knudsen), Legrand, Havells, C&S, Eaton, Danfoss
54	Motorized Butterfly Valve	Sks/ Advance/ Zoloto/ Danfoss/ Castleax/ Honeywell/ Siemens

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55	Motors for fire pump	ABB, Siemens, Kirloskar, Fuji, Havells, Crompton Greaves
56	MS Forged Fitting	Trueforge, DRP, VS, Tega, ULMA
57	Paint Primer	Asian Paints, Berger, Nerolac, JSW Paints, Shalimar Paints, AkzoNobel (Dulux)
58	Pipe Fittings	Tata Steel / Jindal, Unik, Zoloto, Castle, KBL, Audco, Instapressfit
59	Pipe Protection Wrapping and Coating Systems	IWL (PYPKOTE), TAXA, MAC-POLYCOAT, STP Limited, Shalimar Paints, Asian Paints
60	Pipe Supports (Band / Hanger)	Hilti, Gripple, Wurth, Zipclip, UNISTRUT, George Fischer, Nortek, Armstrong Fluid Technology
61	Pipes (both M.S. and G.I. pipes)	Tata Steel, Jindal (Hisar), SAIL, Surya, APL Apollo, Zenith
62	Pot/Y/Suction Strainer	Sks/ Advance/ Zoloto/ Danfoss/ Castleaxin/ Emerald/ Honeywell/ Cim/ Siemens
63	Power & Control Cables	Finolex, KEI, Polycab, Havells, AKG, Delton, Plaza,
64	Pre-Fabricated Structural Supports & Clamps	Hilti, Fischer, Bosch, Wurth, Mupro, UNISTRUT, Gripple, Nortek
65	Pressure Gauges	HGuru, Fiebig, Emerald, Wika, Forbes Marshall, Danfoss, Baumer, Gems Sensors
66	Pressure Switch	Indfoss, Switzer, Honeywell, System Sensor, Potter, Danfoss, Wika, Endress+Hauser, Siemens, Rotex
67	Printers, Scanners & Multi-Function Devices	Brother, HP, Canon, Sharp, Epson, Xerox, Konica Minolta, Samsung
68	Public Address (PA) Systems	Honeywell, Bose Professional, Ravel, Bosch, Siemens, C-TEC, Yamaha Commercial Audio
69	Pump (Fire Pump)	Kirloskar, Grundfos, Xylem, Lubi, Armstrong, Wilo
70	RRL (Reinforced Rubber Lined) hoses for fire hydrants	GUARD, SUPREMEX / SUPEREX, LIFEGUARD, Kalpex, SAFEFIRE, CEASEFIRE, MINIMAX, Newage, Swati Fire, Armor Fire / KIDDE
71	Rubber Bellow (expansion joints)	Kanwal, Resistoflex, AIP Valves, Flexionix, Dunlop, KBL
72	Rubber Gaskets	CIC, Varuna, Champion Seals, Supreme, Inseal, Flowserve / EagleBurgmann
73	S.S. (Stainless Steel) Dial Type Pressure Gauges	H Guru, Fiebig, Waree, Wika, Baumer, Forbes Marshall, Endress+Hauser
74	S.S. (Stainless Steel) Fire Hydrant Landing Valves	Newage, Minimax, Ceasefire, Safex, Leader, HD Fire Protect, Swati Fire, NAFFCO
75	Sealed Maintenance Free (SMF) Batteries	Exide, Panasonic, Quanta, Hitachi
76	Single Phase Preventer	Schneider, ABB, Siemens, L&T (Lauritz Knudsen), Havells, Minilec, Selec
77	Single-Head Hydrant Valves, 3- Way Brigade Inlet, Branch Pipe & Shut-off Nozzle.	Newage, Minimax, Swati Fire, Safefire, Guard, NAFFCO, HD Fire Protect, Kirloskar Brothers (KBL), Ceasefire
78	Smoke Aspiration Systems (also known as VESDA - Very Early Smoke Detection Apparatus)	Xtralis (by Honeywell), Siemens, Ravel, Securiton, Vesda by Xtralis, Notofire

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79	Sprinkler & Rosette Plates	Tyco, Viking, HD Fire, NEWAGE, NAFFCO, Reliable Automatic Sprinkler, Minimax
80	Sprinkler Heads (UL Listed)	Tyco, HD Fire, Kidde, Ceasefire, Minimax, Viking, NAFFCO, Reliable Automatic Sprinkler
81	Sprinklers (UL Listed)	Tyco, Viking, HD Fire, NAFFCO, Reliable Automatic Sprinkler, Minimax
82	Stainless Steel (SS) branch pipes, fireman axes, Installation Control Valves (ICVs), 2-way / 4- way Fire Brigade Connections (FBCs)	Tyco, Honeywell, Guard, Lifeguard, Safex, Newage, Minimax, Swati Fire, HD Fire Protect
83	Starter / Switches / TPN Switch	Siemens, Schneider, Lauritz Knudsen, ABB, Legrand, Havells
84	Strainer	KBL, Emerald, Armor Fire, Audco, Advance, Sant, Zoloto, Danfoss
85	Talk Back Units (two-way fire fighter communication systems)	Cooper, Ravel, Honeywell (via XLS 3000 systems), Notifier (ONYX series), Siemens, Bosch, Edwards
86	Thermoplastic hoses used in fire- fighting hose reels	GUARD, SUPEREX, LIFEGUARD, SAFEFIRE, Kalpex, MINIMAX, Newage, Swati Fire
87	Voltmeter & Ammeter	Schneider, ABB, Siemens, L&T, Legrand, Havells, HPL Electric, Secure Meters, C&S
88	Weld Rod (Welding Electrode) and other welding consumables	ADVANI, ESAB, D&H Secheron Electrodes, Arc Electrodes, Welding Alloys South Asia
89	Wi-Fi Router & Access Point	Netgear, Cisco, Juniper, Alcatel, Huawei
90	Workstation with keyboard (wireless) & mouse (wireless)	Dell, HP, IBM, Lenovo, Apple

SPECIALIZED SERVICES

1	2- & 3-Way Speaker Systems	BOSE/Tanhox	JBL	Sennhriser
2	2, 4, 6 Channel Power Amplifiers	PULZ/Bose	LAB GRUPPEN	CREST AUDIO/British
3	5D Secure Content Server	DATATON	4 REAL	SHUQEE
4	Air Compressor System	ANEST IWATA/4DX	4 REAL	SHUQEE
5	Bubble Machine	4DX	4 REAL	SHUQEE
6	Cinema Processor with built-in crossover	DOLBY	JBL	QSC/Bose
7	DCI Projector	BARCO	CHRISTIE	PANASONIC/Sony
8	Dome Projection Media Server	Full Dome Pro/Dell	DATATON	Apple
9	Electric Motion Control Chairs	4DX	4 REAL	SHUQEE
10	Fan Machines for wind blast	4DX	4 REAL	SHUQEE
11	Fog Machine	4DX	4 REAL	SHUQEE
12	Full HD Projector	BARCO	VIVITEK/Sony	PANASONIC/Christie
13	Fully Electric Motion Platform	Kollmorgen Motor	Servo Drive	Teckno
14	Head Mounted Display	SAMSUNG	SONY	HTC
15	Headphones for audio	LOGITECH	BOSE	PANASONIC

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	content			
16	Laser Phosphor Projector for Dome Projection	VIVITEK/Sony	BARCO	PANASONIC/Christie
17	Line Level Audio Cables And Connectors	GOTHAM/Kramer	KLOTZ/Extron	BELDEN
18	Media Server With Multiple Outputs	DATATON	DELL	APPLE
19	Remote Online Secured Content Transfer And Storage System	QUBE	BARCO	DOLBY
20	Signal processor for speaker management	PULZ	QSC/Bose	MARTIN AUDIO
21	Snow Machine	4DX	4 REAL	SHUQEE
22	Subwoofers	BOSE/Tanhox	JBL	Sennhriser
23	Surround Speakers	BOSE/Tanhox	JBL	Sennhriser
24	Touch screen Tablet	SAMSUNG	LENOVO	HTC/Apple
25	TV screen with mount	SAMSUNG	SONY	Christie
26	UNI Polar Light Tripller 3 D System	XPAND	VOLFONI	SHUQEE
CCTV System (IP Based)				
1	CCTV Cameras & Video Surveillance	Axis, Bosch, Hikvision, Sony, Siemen, Honeywell		
2	Display (LED)	LG, Samsung, Panasonic, Sony, Barco		
3	Hard Drives (HDDs)	WD (Western Digital), Seagate, Toshiba, HPE (Hewlett Packard Enterprise), Pure Storage		
4	Network Video Recorders (NVRs)	Axis, Bosch, Honeywell, Hikvision, Eaton		
5	Servers & Workstations	Dell, HP, IBM, Lenovo, Cisco, Oracle, Fujitsu		
6	Video Management Software (VMS)	Axis, Bosch, Hikvision, Honeywell		
Miscellaneous and LV, AV works				
1	Channel Audio Mixing Console and Digital Audio Signal Processors (DSP)	Allen & Heath, Yamaha, Symetrix, Biamp, and Harman (via sub-brands like BSS Audio and Lexicon), Klark Teknik, QSC (Q-SYS), Extron, DigiCo, Midas		
2	channel DMX splitter (distribution amplifier)	Martin Professional (Harman), Chauvet Professional, ETC (Electronic Theatre Controls), Pathport (Pathway Connectivity), Leprecon		
3	Channel Professional Power Amplifiers	Labgruppen, Powersoft, Harman (via its Crown brand), Meyer Sound, L-Acoustics, d&b audiotechnik, Martin Audio, QSC		
4	Channel Digital AV Processors	Harman (via JBL Synthesis/Lexicon), Yamaha, Emotiva, Trinnov Audio, Datasat Digital Entertainment, StormAudio, Acurus		
6	Architectural / Commercial and stage LED lighting	Wipro, Phillips (Signify), Havells, and the brands within Harman (Martin Professional) and Signify Color Kinetics, OSRAM (Siteco/Traxon brands), Acuity Brands (Lithonia Lighting), Legrand (Orient Electric in India)		
7	Area Wall Panelling Stage Side Wings/ Legs, Stage Frills, MS Stage Light Bar, FOH Truss Light Bar, Split	Innovation Sound Xperts / Sound Rocks / Sound Box / Acoustiblok / Decoin / Decora / Design and Innovation		

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	Horizontal Curtains, Self Support Extension Ladder for Stage Lighting System	
8	AV cable cubbies and pop-up boxes	Lightware, Extron, Crestron, Kramer, Atlona, FSR Inc, Connectrac (Legrand), Panduit, Vaddio (Legrand)
9	AV systems integrators possess the expertise to design & install robust custom audio infrastructure solutions, hold international certifications (like AVIXA CTS)	Actis Technologies Pvt. Ltd., Solutions India Systems Pvt. Ltd. (SISPL), Allwave AV Systems Pvt. Ltd., COLCOM, Sigma AVIT Technology Solutions, ANSATA
10	BMS Communication Cable/Signal Cables/Control/Power Cables	Caliplast/Finolex/Kenter/Neolex/Polycab/Technoflex/Excel/Batra Henley/Bonton/Legrand/Belden/Fusion/Delton/Nordex/Southwest Wire & Cable/Adhunik/ESC/Adsel
11	CAT Walkfor FOH Lighting System	Sound Xperts / Sound Rocks / Sound Box / Acoustiblok / Decoin / Decora / Design and Innovation
12	CPU (computer) running with ONYX Lighting Control Software Lifetime License	Harman / Obsidian / Martin Professional
13	DDC Controller Enclosure (Indoor-IP 54/Outdoor-IP 66)	Arrow Engineers/New Electricals/Power Control Engineering/Rittal/Scoot Engineering/Shrinath Enterprises/Sterling&Wilson/Square"D" Automation/Zenith Engineering/ SPC Electrotech, /Precision/BCH
14	Digital Podiums (in wooden or metallic frames)	Harman / AMX, Crestron, Key Digital, ATDSC, Agmatel, Kozen, Custom Fabrication (via AV System Integrator), Televic Conference, Smart (Legrand AV)
15	Direct Injection (DI) boxes	Klark Teknik, Harman (via its Radial Engineering or dbx brands), Radial Engineering, Rupert Neve Designs (RND), Countryman, BSS Audio
16	Display (LED)	LG, Samsung, Panasonic, Sony, Barco, Christie,
17	DMX cables, power cables, connectors, and PVC conduits	Belden, Neutrik, Legrand, Havells, Finolex, Polycab, Jindal Pro Grade Connectors - Neutrik (Mandatory for DMX / Power) DMX/Signal Cables - Canare / Mogami, Belden (Recommended cable standard) Power Cables - Havells, Polycab, Finolex, or Paramount PVC/Metal Conduits - Jindal, Finolex, or Legrand
18	Face Recognition System (FRS)	Herta, NEC, Face First, Idemia, Suprema, Bosch, Hanwha Vision, Motorola Solutions (Avigilon / Pelco)
19	Floor Carpet	Response / Nexgen / Acoustiblok / Happho / Decoin / Welspun
20	Front Split Horizontal Curtain,Rear Split Horizontal Curtain,Teak Wood	Sound Xperts / Sound Rocks / Sound Box / Acoustiblok / Decoin / Decora / Design and
21	Front View Stage Proscenium, Acoustic Ceiling	Sound Xperts / Sound Rocks / Sound Box / Acoustiblok / Decoin / Decora / Design and

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	for Stage, Stage	
22	Haze Machines with fluid	Martin (by HARMAN), Robe Lighting, Chauvet (via their Professional or specific effect lines), MDG (MDG Fog Generators), Look Solutions MDG (MDG Fog Generators), Look Solutions
23	HD IP PTZ Cameras and HDMI to USB Video Capture Recorders	Sony, Lumens, Vaddio, AMX (Harman), PTZ Optics, AJA Video Systems, Blackmagic Design
24	HDMI cables, CAT 6 cables, power cables, connectors, and PVC conduits	Belden, Neutrik, Legrand, Finolex, Jindal, Canare / Mogami, Havells / Polycab
25	HDMI over HD Base T (HDBT) transmitter and receiver modules	Crestron, Extron, Atlona, Key Digital, AMX (Harman), Lightware, Aurora Multimedia
26	Intelligent LED Stage Lighting Fixtures	Robe Lighting, Martin (by HARMAN), Chauvet (Professional series), Elation Professional
27	IPTV (Internet Protocol Television) systems	LG, Samsung, Panasonic, Sony, VITEC, Cisco, Harmonic
28	LED COB Light	Chauvet Professional, ETC
29	LED COB Light (Stage/Pro)	Martin (Harman), ETC (Lustr series)
30	LED Ellipsoidal Profile Spot Light	ETC (Source Four LED), Chauvet Professional
31	LED Exit Door Signage	Wipro, Havells, Philips / Signify
32	LED Fresnel Spot Light	ETC (Desire Fresnel), Chauvet Professional
33	LED Moving Head Wash Light with Zoom	Robe, Martin, Ayrton
34	LED Static Wash Light	Robe, Martin, Chauvet Professional
35	LED Step Light	Wipro, Havells, Philips / Signify, Color Kinetics
36	LED Strip Light	Wipro, Havells, Philips / Signify
37	LED Video Walls & Displays	LG, Samsung, Sony, Panasonic, Barco, Christie Digital Systems
38	LED Wash Light with Zoom	Robe, Martin, Chauvet Professional
39	Microphone Stands	K&M (Konig & Meyer), Atlas Sound, Ultimate Support Systems
40	Moving Head LED Profile Light	Robe, Martin, Ayrton
41	PC (Personal Computer) for Soft VC (Software-based Video Conferencing)	Dell, HP, Lenovo, Acer, Asus,
42	Printer	Brother/HP/Cannon/Sharp/Epson/N EC/TVSE
43	Professional Audio System include Sound Reinforcement components such as main line arrays (FOH), FOH subwoofer arrays, front/lip fill loudspeakers, surround/delay loudspeakers, stage monitoring systems (floor wedges/side fills), control room nearfield/midfield	Meyer Sound, K-Array, Renkus-Heinz, Harman, L-Acoustics, d&b audiotechnik, Adamson Systems Engineering, Martin Audio

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	monitors, and utility/distributed background music (BGM) systems for ancillary areas like the green room and passages.	
44	Quad multi-viewer (a device that can display four video inputs simultaneously on a single screen)	Extron, AMX (Harman), Crestron, Key Digital, Atlona, Lightware, Barco, Christie Digital Systems, Analog Way, Aurora Multimedia
45	RGB Laser Light	Martin Professional (Aura series)
46	RGBW LED COB Light (Stage/Pro)	Martin (Harman), ETC (Lustr series), Chauvet
47	Server&Operation Workstation Operation Work station	HP/Dell/IBM Honeywell/ Controls/Siemens/Schneider
48	Signal Cables, Speaker Cables, Pro- Grade Connectors, PVC Conduits	Belden, Neutrik, Legrand, and Finolex/Jindal (for conduits), Canare, Mogami, Clark Wire & Cable
49	Software/DDC Controllers (IP Based)/System Integration Units	Electric
50	Stage Flooring	Innovation
51	Standalone, Professional-Grade Audio Junction Boxes or Stage Boxes	Harman, Allen & Heath, Yamaha, Klark teknik, Link (Link Srl), Whirlwind, ProCo Sound, Gepco
52	Standard Equipment Racks with Lockable Doors	Rittal, Panduit, APW-Vero President, APC (Schneider Electric), Middle Atlantic Products (Legrand AV), Chatsworth Products (CPI)
53	Temperature Sensor/Immersion Temperature with Thermowell/ Pressure Sensor/ Differential Pressure Switches/ T+Rh Sensors (Combo Sensor)/ Indoor Air Quality Sensors/ Differential Pressure Transmitters/ Outside Temperature+Humidity Sensor/ Ultrasonic Type Btu Meter with Match Pair Sensors/Level Switches/Air Velocity Sensor (Multi Probemultipoint)/Water Hardness Analyzer/P.H./Chlorine Analyzer/Tds&Do Sensor/CO 2 Sensor (Indoor/Outdoor)/SO 2 Sensor/Hydrogen Sensor	Dywer/Greystone/Honeywell/Kele/ Ambetronics/Siemens/ Controls/Schneider Electric/Sontay/Landis&Gayer/Kam strup/Ambetronics/Filpro/Levecon/T si- Usa/Hach/Lumex/Polymetron/Ther mo/Forbes Marshall/Triton/Hach

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54	Touch Control System with Smart Central Processing Unit	Crestron, AMX (Harman Professional), Extron, QSC (via Q-SYS)
55	Video Conferencing Solution	Poly, Cisco, Barco, Panasonic, Philips, Microsoft (Teams), Yealink, Logitech, Crestron
56	Waterleakand Digital Rodent Repellent System	Maser Electronics/C- System/Rscat/TTK/Tyco/n Vent
57	Wi-Fi Access Points and a 16-port Gigabit Ethernet Unmanaged PoE+ Switch	Cisco, Extreme Networks, HPE (Aruba), Juniper, Ruckus, Ubiquiti Networks, CommScope
58	Window-Based Digital DMX/RDM Control System.	Harman (via Martin), Chauvet (via internal brands), ETC (Electronic Theatre Controls), Avolites, Pathport (Pathway Connectivity, part of Acuity Brands)
59	Wireless and Wired Microphones	Shure, Sennheiser, Audio-Technica, DPA, Harman (via AKG), Aston, Neumann, Lectrosonics, Electro-Voice (EV)
60	Wireless Presentation Solution	Barco, Atlona, Extron, Lightware, PureLink, Crestron, Mersive, BenQ, Kramer, Airtame, Logitech
61	Wooden Grooved Sound Slates, Acoustic Stretch Fabric Paneling, Acoustic Doors, Polyester Acoustic Ceiling	Sound Xperts / Sound Rocks / Sound Box / Acoustiblok / Decoin / Decora / Design and Innovation / Envirotech Systems Ltd
STP WORK		
1	Air Diffusers	REHAU, IONEXCHANGE, Thermax, Veolia, Voltas, Vatech Wabag
2	Butterfly & Ball Valves	Tyco, Honeywell, Zoloto, KBL, Sant, Audco, Danfoss, Advance
3	C.I.(Cast Iron) Disk Type Non-Return Valves (NRVs/Check Valves)	Zoloto, Advance, Honeywell, KBL, Sant, Audco, IVC, Danfoss, SKS (S.K.S Ispat)
4	C.I.(Cast Iron) Double Flanged Sluice Valves	Zoloto, Advance, Tyco, Honeywell, KBL, Sant, Audco, leader
5	C.I.(Cast Iron) pipes	IISCO, Electrosteel, Jindal, Saint-Gobain PAM
6	C.I.(Cast Iron) Strainers	Leader, Sant, Castle, KBL, Zoloto, Advance, Audco
7	C.I./D.I. Manholes Cover	NECO, RPMF, MICO, Electrosteel
8	Centrifuge	Pennwalt, Alfa Laval, Humboldt Wedag, Flottweg, GEA, Kirloskar
9	Chlorinator	ALM, Toshkon, IONEXCHANGE, Thermax, Suez, Grundfos
10	Clear Water Pump	Kirloskar, Grundfos, Xylem, Armstrong, Lubi, Wilo, KSB Pumps
17	Compost Plant	Excel, Ecoman, Thermax, IONEXCHANGE, Smart Enviro Bombay, Clean India Ventures
18	CPVC (Chlorinated Polyvinyl Chloride) pipes & fittings	Supreme, Astral, AKG, Finolex, Ashirvad
19	Electrical Enclosure & PLC Box	Rittal, BCH, Delta, Square "D", Eaton, Legrand, Striebel & John
20	Exhausters (exhaust fans/	Nicotra, Krugger, Greenheck, Systeme mair, Maico,

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	blowers)	FlaktGroup
21	Filter Feed Pumps & Hydro-Pneumatic(Hy-Pneu)Pumping System	Grundfos,ITT(Xylem),Wilo,KSB,Kirloskar, Armstrong, Lubi
22	Flow&WaterMeters	Honeywell,Kamstrup,Sensus,Elster,ForbesMarshall, Zenner
23	FRP (Fiber Reinforced Plastic) Vessels&MCF(Multi-Cartridge/ Multi-mediaFilters)	Pentair,Thermax,Amtek,WAE,DPL,ECMAS,ION EXCHANGE, Veolia, Suez
24	GearedMotor	Bonfiglioli,GreavesCotton,Motovario,SEW-EURODRIVE, Siemens, Radicon, ABB
25	HDPE(High-Density Polyethylene) pipes	Supreme,Ori-Plast,Vectus,Finolex,Ashirvad
26	LevelControllers&Indicators	Advance, Forbes Marshall, Wika, Endress+Hauser, Gems Sensors, Siemens
27	LevelGauge	H. Guru, Fiebig, Wika, Forbes Marshall, Endress+Hauser,GemsSensors,Advance
28	Lighting Distribution Board	ABB, C&S, Schneider, Lengrand, Lauritz Knudsen
29	M.S.(MildSteel)&G.I. (GalvanizedIron)pipes	TataSteel,SAIL,Jindal(Hisar),Surya,APLApollo, Zenith
30	MBBR(MovingBedBiofilm Reactor)Media	WAE,IONEXCHANGE,Thermax,Rehau,Veolia, Voltas, Vatech Wabag
31	Ozonators,Testing Meters, Online Monitoring Systems, Filtration systems,& related components	CreativeOz-Air,Amozonics,WAE,ORA IPL,Toshkon, Ion Exchange, Thermax
32	OzonisationSystems	ORA IPL,Toshkon,WAE,IONEXCHANGE,Thermax, Suez, Oz-Air
33	pHmeters,conductivitymeters , DO meters, TDS meters	Hach, Siemens, E+H (Endress+Hauser), Rosemount (Emerson), Forbes Marshall, ABB, Mettler Toledo,ThermoScientific
34	PlasticEncapsulatedFootrests	KGM, KK, Supreme, Ashirvad, Ori-plast
35	PlateSetters(LamellaClarifier s) & Agitators	IONExchange,Thermax, Veolia, Suez, Grundfos
36	Pressure Sand & Activated Carbon Filter	WAE,Fontus,IONEXCHANGE,Thermax,Veolia
37	Pressure Transmitters &HydrostaticLevelIndicators	Wika,Siemens,Honeywell,Emerson,E+H (Endress+Hauser), Jumo
38	Pressure&D.P.(Differential Pressure) Gauges	H.Guru,Fiebig,Honeywell,Wika,Baumer,Forbes Marshall,Waree
39	Pumps	Kirloskar,Grundfos,Xylem,Armstrong,Lubi,Wilo, KSBPumps
40	PVC(PolyvinylChloride)Valves (ball valves, foot valves, check valves,etc.)	Supreme,Astral,AKG,Finolex,Ashirvad
41	Reduction Gearboxes	Radicon, Elicon, Shanti, Premium Transmission, Rotork, Bonfiglioli
42	ReverseOsmosis(RO) Membranes	GE(Suez),Hydronautics,Toray,MembraneSolution, WAE, Dow/DuPont, LG Chem, ION EXCHANGE
43	Sludge&SewagePumps	Kirloskar,Grundfos,Xylem,Armstrong,Lubi,Wilo, KSB Pumps
44	Sluice(Gate)&NRV(Non-Return / Check) valves/All	Zoloto,Advance,CIM,Tyco,Honeywell,KBL,Sant, Audco, leader

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	other vavles	
45	Solid Waste Handling & Conveying Systems	Envtech,Rosaroca,Thermax,IONEXCHANGE,Excel,Ecoman
46	Sump Pump	Kirloskar,Grundfos,Xylem,Armstrong,Lubi,Wilo, KSB Pumps
47	Symphonic (siphonic) roof drainagesystems	Geberit,Saint-Gobain,Wavin,ACO,SangirPlastics
48	TubeSettlerMedia	WAE,IONEXCHANGE,Thermax,Rehau,Veolia, Suez
49	Ultraviolet (UV) disinfection systemsusedfortreatedeffluent	Alphauv,Sukrut,Neotec,WAE,IONEXCHANGE, Thermax, Suez, Grundfos
50	UVwaterpurifiers(forWTP/ STP applications)	AlfaaUV,WAE,IONEXCHANGE,Thermax,Veolia, Suez
51	Vibration Pads / Suction / Delivery Flexible Connectors	easyflex/resistoflex/dunlop/kanwal/ flexionics
Contractors have to take approval from NBCC/ Client before placing of order of any major finishing material, equipment, fixtures etc. required from the above-mentioned approved makes. If any required materials are not available in the approved make list, contractor shall submit the proposed make for approval from Client/NBCC prior to procurement. Decision of Client/NBCC shall be bound to be final in this regard to selection of any brand/make and nothing extra shall be payable to the contractor.		