

SOUTH EASTERN RAILWAY

SECTION 1 INTRODUCTION

1.1. Background

1.1.1. The President of India represented by the Chief Project Manager/ Gati Shakti South Eastern Railway, Kharagpur (the “**Authority**”) having its principal office at DRM Building, Near Bilimoria Petrol Pump, Jhapatapur, South side, Kharagpur – 721301, West Bengal, India, is engaged in the development of railway stations and related infrastructure, and as part of this endeavour, the Authority has decided to undertake the Redevelopment of Baleshwar Railway Station (the “**Project**”) through Engineering, Procurement and Construction (the “**EPC**”) contract, and has decided to carry out a single stage two packet bidding process (an open Tender) for selection of a Bidder to whom the Project may be awarded.

1.1.2. The brief particulars of the Project and the Bidding Process are as follows in the Key Information Table (KIT):

Sr. No.	Particular	Details
1	Name of the Work	Redevelopment of Baleshwar Railway Station on Engineering, Procurement and Construction (EPC) mode.
2	Estimated Project Cost	Rs.193,41,00,000.00/-
3	Construction Period	30 months
4	Bid Due Date and time	29/08/2024 15:00
5	Physical submission of all documents listed in Clause no. 2.11.2	By Bid Due Date + 5 days
6	Date and Time of Opening of Bids	29/08/2024 15:00

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7	Mode of tendering	Single stage two packet
8	Mode of submission of Bids	Online submission on e-Procurement Portal
9	E-Procurement Portal	www.ireps.gov.in
10	RFP document Fee	NIL
11	Bid Security	96,70,500.00
12	Bank Account Details of the Authority	Name of Beneficiary: FA&CAO, South Eastern Railway, Garden Reach, Kolkata-700043. Payable at Kolkata.
13	Officer and Address to Submit the physical documents as per Clause 2.11.2 of RFP	Name of Officer: Akhilesh Kumar Designation: CPM(GS)/KGP Address: Office of CPM/GS/KGP, DRM OFFICE, Kharagpur, PIN-721301 Phone: 9002081006 E mail: cpmgsukgp@gmail.com
14	Validity of the Bid	120 days from the Bid Due Date
15	Pre-bid Conference Details	1 st on 04/07/2024 11:30 AM 2 nd on 01/08/2024 11:30 AM Online Mode/ Offline mode at Venue: Office of CPM/GS/KGP, DRM OFFICE, Kharagpur, PIN-721301
16	Last date of receiving Queries	07/08/2024
17	Performance Security	5% of Contract Price in terms of Clause 2.21
18	Submission of Performance Security	Within 30 days of issue of Letter of Award (LOA)

19	Signing of Agreement	Within 15 days of submission of Performance Security.
20	Documents enclosed with the RFP	a) Draft EPC Agreement for the Project b) Drawings c) Detailed Project Report
21	Architectural & Technical Consultant	MEHTA AND ASSOCIATES LLP 101, Navneet Plaza 5/2, Old Palasia Indore – 452001, Madhya Pradesh India Email: mehtaandassociatesindia@gmail.com

1.1.3. The Selected Bidder (the “**Contractor**”) shall be responsible for Engineering, Procurement and Construction of the Project under and in accordance with the provisions of an Engineering, Procurement and Construction Agreement (the “**EPC Agreement**”) to be entered into between the Selected Bidder and the Authority in the form provided by the Authority as part of the Bidding Documents pursuant hereto. The scope of work of EPC broadly comprises Design, Detailed Engineering, Surveys (Pre-Engineering, Pre- Construction and Post-Construction), Procurement, Fabrication, Transportation, Construction (Civil, Structural, Mechanical, Electrical, HVAC, Fire Fighting and other related services) and Installation, Testing, Pre-commissioning, Commissioning and handing over as per the terms of the EPC Contract. The detailed scope is provided as part of Volume II: EPC Agreement of this RFP

1.1.4. The estimated cost of the Project (the “**Estimated Project Cost**”) has been specified in the clause 1.1.2 above. The assessment of actual costs, however, will have to be made by the Bidders.

1.1.5. The draft EPC Agreement, sets forth the detailed terms and conditions for award of the Project to the Contractor, including the scope of the Contractor’s services and obligations.

APPROVED MAKES/ BRANDS

Specification/brands names of materials to be used as per the scope of work are listed here. The efforts should be made by the agency to use indigenous products. The agency should also consider the availability of spares parts/components for maintenance purposes while proposing any brand/maker. The materials of any other brand/maker may be proposed for use by the agency in case the brands specified below are not available in the market and/or agency intends to use some other brand better than the brands mentioned in this list. The alternate brand can be used only after the approval of Engineer-in-Charge.

The sanitary fitting shall be of premium quality of approved brand make and manufacture as per approval of Engineer-in-Charge and approved makelist.

All the urinals, taps shall be sensor based.

S. No	DESCRIPTION/ ITEM	Approved Makes / Brands		
1	Ordinary Portland Cement / Pozzolona Cement	ACC	Ultratech	J. K Cement
		JSW	Birla Cement	
2	White Cement	Birla White	J.K. White	Ultratech
		NCL Buildtech Pvt. Ltd`	ACC	
3	Ready Mix Concrete	ACC	Ultratech	J. K Cement
		Lafarge	L&T	NDCON
		NCL Buildtech Pvt. Ltd`		
4	Reinforcement Steel (HYSD TMT-Fe 500D)	SAIL	Tata Steel	RINL
		Shyam steel	Jindal Panther	APL Apollo/S GMart
5	Structural Steel / M.S. Tubes	TATA	JSW Steel Ltd	SAIL
		APL Apollo	RINL	VPL india
		Jindal Steel & Power Ltd		
6	Plasticizer, Super Plasticizer, Admixtures, Other construction chemicals	BASF	Fosroc	
		Asian Paints Ltd.	SIKA	
		MYK Arment	MC bauchemie	Kerakoll
		Saint Gobain (Chryso)	MYK Laticrete	
	Waterproofing Self Adhesive (HDPE) membrane, Waterproofing Compound	DBS	Fosroc	Berger
		Bulwork	Xchem	MYK
		Asian Paints Ltd.	MC bauchemie	Kerakoll
		BASF	MYK Laticrete	Kryton
		Mepei	EcmaS	ACO

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7	(Crystalline),EPDM Waterproofing Membrane	Saint Gobain (Chryso)	SIKA	MYK Arment
8	Polyster Powder Coating Paints Repellent/Admixtures / Water Proofing compound/ Liquid membrane /Self adhesivemembrane/other water proofing	Nerolac	Berger	JSW
		Kerakoll	Asian Paints Ltd.	MC bauchemie
		Roff	Saint Gobain (Chryso)	Mepei
9	Rebarring Chemical	Hilti	3M India	Birla
		Fischer		
10	Fire Sealant	Hilti	3M India	Birla
		Fischer	Siderise	
11	PU Elastomeric Membrane (spray applied forDeck Waterproofing)	BASF	Fosroc	SIKA
		Sunanda	Keshun	Pidilite
		DBS	MC bauchemie	Mapei
12	Weather Sealant	G.E plastics	Wacker	STP
		Kerakoll	BASF	Dow corning
13	Poly-Sulphide Sealant	Fosroc	Wacker	SIKA
		Thermamax	Laticrete	BASF
14	Glasswool Insulation	UP Twiga	Poly Glass	Owncornin g
		Rockwool		
15	Rock Wool Insulation	Lloyds	Roxul Rockwool	UP Twiga
16	Swellable Bar	DBS	Fosroc	hayakawa
17	Polycarbonate Sheet	Danpal	Polygal Indian pvt ltd	DPI Daylighting
		Coxwell	GE plastics	
		Lexan	Bayers	
18	Decking Steel Sheet	TATA Steel	Bemo	JSW
		APL Apollo	SAIL	VPL india
19	Shuttering Ply	Magnus	Century	Daya
		Greenply	Luxe	
20	Formwork systems	Peri	Doka	Symons
21	Aluminium Shuttering	Maini	S-Form	Kumkang
		MFE Form Work	Miven	
22	Parallel Threaded Couplers (Compliant toIS16172:2014)	Dextra	Halfen Moment	G-Tech
23	Extruded Polysterene Board	STP	Supreme	DBS
		Dow Building Solutions		
24	AAC Block	Aerocon	Buildtech	Instablock
		Ecogreen	J. K Lakshmi Cement	Indo bhutan
		Ferrouscrete	BILT	Magicrete
		Ultratech	Finecrete	
		Ferrouscrete	Ultratech	J. K

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25	AAC Mortar			Cement
26	Moisture Resistant Board	Kerakoll		
		Saint Gobain	Gyprox	USG Knauf
		Lloyd Insulation India Ltd	Anacon	Armstrong
27	Veneered Particle Board	Merino	Aerolite	Duro
		Merino	Duro	Greenlam
		Armstrong	Greenply	luxe
		Virgo	Daya	Century
28	Laminated Particle Board	Merino	Greenlam	Century
		Virgo	Jayna	
		Strawcture eco		
29	Laminates Block board/ Plywood	Merino	Greenlam	Century
		Action Tesa	Luxe	Duro
		Daya	Virgo	Sunmica
		Skydecor	Jayna	
30	Veneer Block board/ Plywood	Merino	Greenlam	Century
		Action Tesa	Luxe	Duro
		Daya	Virgo	Sunmica
		Jayna		
31	Flush door / Laminated Flush Doors	Century	Luxe	Merino
		Greenply	Daya	Virgo
		Greenlam	Duro	
		Jayna	Strawcture eco	
32	Toilet Cubicles/ Modular toilet	Century	Greenply	Greenlam
		TATA	Virgo	Merino
		T-line	Anakon	
33	Hardware for Fire Check Door	Dorma	Ozone	Hafele
		Becker	Hettich	Taiton
		Geze	Bhawani Fire	
34	Plywood/ Veneer	Merino	Duro	Century
		Greenply	Luxe	Durian
		Virgo	Daya	dorbypanel
35	Expansion Joint Modular	Cameo inc	Migua	ASP
		Tristar	siderise	Vexcolt
		Herculus	Sanfield India Ltd	bizzar
36	Wall Putty	Birla Wall Care	JK White	Berger
		Asian paints	Pearlcon	Western
37	Curing Compound	Fosroc	SIKA	Cico
		BASF	ROFF	
		DBS	Kerakoll	Sunanda Chemicals
38	Oil Bound Washable Distemper	Asian paints	Dulux	Berger
		AkzonobelDulux	DuluxICI:Maxilite	JSW
		Ultratech	ACRO	Nerolac
39	Acrylic Distemper	Berger	Asian	Dulux
		ACRO	Nerolac	JSW

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40	Premium Acrylic Emulsion paints (Interior/Exterior)	Dulux ICI: Velvet touch	Nerolac: Impression	Asian Paints: royale Luxury Emulsion
		Berger: Silk	JSW	
41	Cement Primer	Berger: Silk	Decoprime WT (Asian)	Akzonobel (Dulux)
		Nerolac	ACRO	BPWhite (Berger)
42	Cement Paint	Snowcem Plus	Berger	Nerolac
		JK MAXX	ACRO	Ultratech
		ICI Dulux	Asian	JSW
43	Steel / Wood Primer	Akzonobel	Nerolac	Asian Paints
		Jenson & Nicholson	Berger	
44	Textured Exterior Paint	Akzonobel	Asian (Apex	Nerolac Kansai
		(Dulux)	Ultima)	(Excel)
		Berger	Acro	Panache
		JSW		
45	Synthetic Enamel Paint	Akzonobel(Dulux)	Asian (Apolite)	Kansai Nerolac (Synthetic Enamel)
		Berger: Luxol Hi gloss	ICI Dulux	JSW
46	Epoxy Paint	Kansai Nerolac	Akzonobel(Dulux)	Fosroc
		Jenson & Nicholson	ICI Dulux	Berger
47	Epoxy Flooring	Flowcrete	BASF	Fosroc
		Weber	Xchem	Durapro
		MYK Arment		
48	Fire Paint/Fire Retardant Paint	Asian	Berger	Akzo Nobel coating India Ltd.
		Caboline	Shalimar	
49	Heat Resistant Paint	Asian	Berger	PANACHE
		ACRO		
50	Heat Resistant Tiles	Pavit	Sunheart	Johnson
		Somany	Simpolo	Thermatek
		Swastik	Hindware	
51	Gypsum Plaster	Ferrous Crete	BASF	Ultratech
		Dudhi industries	Western	
52	GRC Jali	Unistone	Dalal Tiles Industries	Ecovision
53	Welding Electrodes	Advani	Oerlikon	Modi
		L & T		
54	Stainless Steel Chair/ railing	Koncept	Jindal Alloys	Technorail
		JSW	Dorma	Taiton
		Dorma	Hafele	Geze

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55	Stainless Steel Hardware	Hettick	Koncept	Taiton
		OZONE	Godrej	
56	Automatic Sliding Door	Dorma	Ozone	Assa Abloy
		AIS windows		
		Hafele	Taiton	Hormann
57	Metal roofing system (Metal)	APL Apolo	Tata Blue Scope	VPL india
		kalzip	Kingspan	JSW
58	Metal roofing system (Aluminum)	Kalzip	Kingspan	ALUFORM
		Aludecor	APL Apollo	JSW
		BEMO		
59	Galvalume sheet for roofing cladding,sandwich panel	Lloyd	Kingspan	APL Apollo
		Jindal	APL Apolo	Tata Bluescope Steel Ltd,
		JSW	KALZIP	VPL india
60	Polycarbonate sheets and Gs sheets	Tata BlueScope	DPI-Daylighting	Coxwell
		Tiger		
61	GI Profile Sheet	Tata	Lloyd	JSW
		Jindal Essar	APL Apollo	VPL india

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2. FALSE CEILING				
1	False Ceiling – Gypsum	Aerolite	India Gypsum	Boral Lafarge
		Armstrong	USG knauf	Western
2	False Ceiling – Metal	Hunter douglas	HARsonsGreen	Durlum
		USG knauf		
3	Gyp Board	Saint Gobain	USG knauf/Armstromg	Lafarge
		Western	Aerolite	Anakon
4	Open Cell Ceiling	Hi Steel	Durlum	Hunter Douglas
		USG knauf	Harsons Green	Kalzip
5	False Ceiling Grid System	Gyproc	Armstrong	USG knauf
		VIVA	Harsons Green	St Gobain
		Hunter Douglas	Hi Steel	Western
6	Baffle Ceiling	Hunter Douglas	Durlum	Armstrong
		USG knauf	Harsons Green	Anakon
7	Accoustical Tile False Ceiling & Acoustic Panels works	Armstrong	UNIDUS	Himalaya Acoustic
		Durlum	Dexune	Hunter Douglas
		USG knauf	Hi Steel	Anakon
8	Acrylic Solid Surfaces	Dupont	L.G-Hymac	Durlax
		Hanex	Rehau	
9	Clamp System For Dry Stone Cladding	Hilti	Fischer	Bosch
		Rawl Plug	Koncept	
10	Calcium Silicate False Ceiling	Saint Gobain	USG knauf	Dexune
		Aerolam	Western	Armstrong
11	Calcium Silicate Ceiling Tile / Board	Gyproc	Lafarge	Hilux
		Armstrong	Western	Saint Gobain
		Aerolite	USG Knauf	Dexune
12	High Pressure Laminate and ceramic clads	GREENLAM	Virgo	Stonelam
		VIVA	Ceaserstone	Unitile
13	Self Supporting Systems	Proflex System	Kalzip ltd	Mercury Enterprises
3. FLOORINGS				
1	Mosaic / Chequered Tiles	RAK Ceramics	Varmora	H&R Johnson
2	Ceramic Tiles / Glazed Tiles	RAK Ceramics	Varmora	Hindware
		H&R Johnson	AGL	Simpolo
		Somany		
3	Vitrified Tiles (Antiskid / Matt / Glazed)	RAK Ceramics	Varmora	Hindware
		H&R Johnson	AGL	Nitco
		Somany	simpolo	
4	PVC Flooring	Armstrong	notion	LG
		welspun		
5	Tile / Stone Adhesive /Tile / Epoxy Grout	Kryton	Kerakoll	MYK Laticrete
		Fosroc	BASF	weber
6	Dash /Anchoring Fasteners	Hilti	Fischer	Bosch
		Koncept	3M	
7	Floor Hardener	Ironite	Fosroc	Hardonite
		Sica	BASF	

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8	Laminated Floor	Action Tesa	Mikasa	Pergo
		Greenlam		
9		Asian	Johnson	Kalinga
	Composite Marble / Granite / Engineered Stone	AGL		
10	Water Based Melamine Polish	Asian Paint	Berger	ICI Dulux
11	Building Signage	Hindustan Signage	Eaton	Ergomax workspace
		AYZO	PR Graphics	Prolite
		Galaxy Signage	VVT	3M
12	Epoxy Based Flooring	Durapro	Flowcrete	Asian Paint
		Berger	tremco	
4. GLAZINGS				
1	Anodised Aluminum Hardware (Heavy Duty) Aluminum	KMC	Indalco	Hindalco
		EBCO	Jindal	Alualpha
		Everite	Godrej	Hafele
2	Aluminum Section	Hinalco	Kalco	Bhoruka
		Jindal	Indalco	
3	Structural Members - Windows, Glazing and Partitions	Nalco	Bhoruka	AIS windows
		Saint Gobain	kalco	Glaverbal
4	Glazing Structural/ Suspended / Skylight	Saint Gobain	Pilkington	Glaverbal
		Kalco	Raico	SARA
5	Clear / Float / Frosted Glass	Saint Gobain	AIS	Pilkington
		Emirates Glass Co	Hafele	Hifab
		MODI Guard	Atul Industries	KMC
6	Glass Spider Fittings	Dorma	Hafele	Ozone
		VHU		
7	Stainless Steel Railing , Accessories etc. in Grade S 304 & 316	Dormakaba	D-line	Geze
		Koncept Solutions	UPL	JSW
		Ozone	Jindal	technorail
8	Hermitically Sealed performance glass Toughened Glass	Saint Gobain	Guardian Glass	AIS
		Modiguard	Emirates Glass	KMC Glass Co.
9	Fire Rated Vision Panels	Pilkington	Schott	Ferilite
		Saint Gobain	Glaverbel	
10	Fire Rated Doors	Pyrotech	Navair	Sukriti
		Kalpex	kalco	Bhawanifire
11	Ceramic panel Cladding	Hunter Douglas	Neolith	Terreal
		stonelam	Unitile	
12	Aluminum Louvers	Hunter Douglas	Kawneer	kalco
		Vibrant Technik	tostem	Anakon
13	Aluminium Composite Panels	Virgo	Alucobond	Alstone
		Aludecor	VIVA	Alstrong
14	G.I. Steel Door Frame	SynergyThrislington	Navair	Bhawani Fire
		Apl Apollo	Jindal	VPL india
15	Friction Stay Hinges	Dormakaba	LG Sysmac	Dorset
		Hormann		
16	EPDM Gasket	Hanu	Anand	Osaka /Alps
17	Glass Processor for making DGU / Toughing	Art N Glass	GSC(Noida)	Sejal
		ASAHI	Gold Plus	Kaenat Glass

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18	Mirror Glass	Atul	MODI Guard	Saint Gobain
		AIS		
19	UPVC Doors ,Windows & UPVC Baffle Ceiling	Fenesta	AIS Windows	Europlast
		Aluplast	NCL Veka	Encraft.
		Prominace		
20	Poly Sulphide Sealant	Wacker	Dow Corning	GE
22	Silicone / Weather Sealant	Wacker	Dow Corning	GE
23	Aluminium Door & windows	Kalco	AIS	Jindal
		Tostem		
24	Pressed Steel Door Windows Frame	APL Apollo	Jindal	VPL
25	Window blinds and shades/fire curtains& Blinds	Hunter douglas	deck	Window tech
26	Terracotta façade Solutions	Hunter Douglas	Unitile	unistone
27	Metal Claddings	Hunter Douglas	Kalzip	Alstron
		durlum	Harsons Green	
28	Pergolas and louvres(wooden)	alstone	notion	Reynoarch
29	WPC(Door frames, boards, Jali)	Alstone	Reynoarch	Jayna
30	Fire Rated Accoustic doors	tufwud	pyrotech	Bhawani fire
5. HARDWARE				
1	Nuts / Bolts / Fastners / Screws	GKW	Atul	Hilti
		Rawlplug		
2	Door/Window Fittings	Godrej	Everite	Dorset
		Hardwyn	ozone	
3	Door Closer	Dorma	Godrej	Hettich
		Everite	Hardwyn	
4	Die Cast Patch Fittings	Dorma	Geze	AssaAbloy
		Hettich	Ozone	
5	Fire Rated Doors	Iclean	saint-gobain	Promat
		Navair	Sukriti	Bhawani Fire
		Pyrotech	Kalpex	ASES Security
6	Floor Springs	Dorma	Geze	Hettich
		Dorset	ozone	Becker
7	SS Mortise lock with one dead bolt and pair of SS handles steel grade SS 304	Dorma	Godrej	Hafele
		Hettich	taiton	Ozone
		Becker		
8	SS Mortise latch & lock with six levers and pair of SS handles steel grade SS304	Dorma	Godrej	Hafele
		taiton	Ozone	Hettich
		Becker		
9	SS Tower bolt	Dorma	Godrej	Taiton
		Ozone	Hafele	becker
10	SS Butt hinges with ball bearing grade SS304	Dorma	Godrej	Ingersoll Rand
		Koncept Steel Pvt. Ltd.	Becker	Ozone
11	Stainless Steel Sliding Door bolts	Becker	taiton	Godrej
		Hettich	Ozone	

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12	Pull handle back to back of length 150mm of Steel Grade SS 304/316	Taiton	Geze	Ozone
		Godrej	Dorma	Becker
13	Pull handle, single side of length 150mm of Steel Grade SS304	Godrej	Geze	Ozone
		Hettich	Becker	
14	Aluminium lever Handles	Hardima	Godrej	Everite
		Taiton	ozone	Dorma
15	Modular railing/SS clamp/Fastener/SS dustbin/SS bench	Koncept solutions	jindal	Ozone
		Dorma	Continental Equipment	JSL Architecture
		Technorail	ozone	
16	Lever handle in SS 304 finish/Glass Spider Fittings/Automatic Sliding Door/Stainless Steel Hardware	Dorma	Hafele	Godrej
		Ozone	Taiton	Becker
17	Tensile fabric with structure	Serge Ferrari	Ancon	MehlerTex
		Taiyo Membrane		
18	Magic Eye	Dorma	Godrej	Ingersoll Rand
		Ozone		
6. HVAC /VENTILATION SYSTEM				
1	Chillers	York	Carrier	Daikin
		Dunham Bush	Trane	
2	Chilled/ Condenser Pumps	Kirloskar	Bell & Gossett	Wilo(Mather+ Platt)
		Grundfos		
3	Cooling Towers	Mihir	Advance	Paharpur
4	Hot Water Generator	Rapid Cool	Emerald	Sandhu
5	Air Handling Units (Eurovent / AHRI certified)	VTS	SystemAir	Stulz
		Flaktwood	Edgetech	Zeco
6	Cooling Coil	As per manufacture standard of AHU		
7	Fan	Kruger / Comferi	Airflow	Nikotra
		Fanair	Flaktwood	
8	Split AC	Daikin	Hitachi	Toshiba
		Samsung	Lloyd	
9	M.S. Pipes:-Any dia	Tata	Jindal Hissar	Sail
		Apl Apollo	VPL india	
10	Butterfly Valves	Advance	L&T	Danfoss
		VTM	Axim	
11	Motorized Butterfly Valve	Belimo	Danfoss	Siemens
		Oventrop		
12	Pressure independent control valve (PICV)	Belimo	Danfoss	Siemens
		Oventrop		
13	Check Valves	Advance	L&T	Danfoss
		VTM	Axim	
14	Ball valve	Zoloto	Audco	RC
		VTM	Axim	
15	Balancing Valves	Danfoss	Advance	Axin
		VTM		

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16	2-way Modulating Valves with Thermostat	Belimo	Honeywell	Siemens
17	2-way on off valve with thermostat for FCU	Belimo	Honeywell	Siemens
18	Expansion Bellows	Resistoflex	Easyflex	Areaflex
		Dunlop	Axin	
19	Pot/Y-Strainers	Sandhu	Rapid Cool	Emerald
		Axin		
20	Suction Guide with Strainer	Anergy	Armstrong	Emerald
		Honeywell	Belimo	Siemens
		Axin		
21	RH Sensor	Belimo	Honeywell	Siemens
		Omnicon		
22	Thermostat	Danfoss	Belimo	Honeywell
		Siemens	Omnicon	
23	Pressure Gauge(Industrial Type)	Feibig	H. Guru	Emerald
		Axin		
24	Differential Pressure Switch	Siemens	Rapid Contro	Anergy
		Sant		
25	Thermometers	Feibig	H.Guru	Axin
		Emerald		
26	Closed Expansion Tank	Anergy	Bell & Gossett	Sandhu
27	Air Separator	Anergy	Emerald	Sandhu
28	Auto Air Vent	Anergy	Rapid Cool	Oventrop
29	Plug Valve	Anergy	Rapid Cool	
30	G.I. Sheets	Sail	Tata	Jindal
		Apl Apollo	VPL india	
31	MS. Sheets	Hindalco	Balco	NALCO
		APL Apollo	VPL india	
32	Fire Dampers	Systemair	Caryaire	Ruskin
		Greenheck	Fanair	
33	Damper Actuator	Belimo	Sinider	Systemair
		fanair	Greenheck	
34	Grills/Diffusers	Systemair	Caryaire	Titus
		Trox	Fanair	Sachin
35	Fresh Air Louvers	Systemair	Caryaire	Titus
		Trox	Fanair	Sachin
36	Resin bonded Glass Wool Insulation	UPTWIGA	Owens Corning	Kimmco
		K-flex		
37	Protective Coating over insulation (Lag coating)	CISBOND	Foster	Idendan
38	Resin bonded Glass Wool Insulation	UPTWIGA	Owens Corning	Kimmco
		K-flex		
39	Insulation Adhesive	Weber	Foster	CISBOND
		Henkel		
40	factory Made ducting	Rolastar	Ductofab	Asawa
		Fanair	GP Spira	Dynamic
		Technofab	Ecduct	Ductro
41	Filters (in Air- conditioning system) Ventilation Fans	Thermodyne	Purolator	Fanair
		Mackmark		

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42	Tube/VaneAxial	Kruger	SystemAir	Greenheck
		Fanair	Flaktwood	
43	Inline (Centrifugal)	Kruger	SystemAir	Caryaire
		Ostberg	Fanair	Flaktwood
44	Propeller Fans	Kruger	GE	Crompton
		fanair		
45	Air Washer/Scrubber	Edgetech	Zeco	SystemAir
		Fanair	Flaktwood	VTS
46	Fan	Kruger	Nikotra	Comferi
		fanair	Flaktwood	
47	Pump	Kirloskar	Beacon	Wilo
48	Filters	As per manufacturer's standard		
49	Heat Pipe	HPT	SPC	VTS
50	Vibration Isolator	Easyflex	Resistoflex	Dunlop
51	Anchor/Fastener	Hilti	Fischer	Gripple
		Rawlplug		
52	Duct Support	GPL	Gripple	flex Zip- Clip
		fischer	Ductro	
53	PUF Saddles	Lloyds	Beardsell	Malanpur
54	FCU link	ATS (CSI)	Oventrop	CIM
55	Sound Attenuator	Ruskin	Systemair	Trox
		Fanair	Flaktwood	
56	CO Sensor	Siemens	Omicron	Johnson
57	VFD	Danfoss	ABB	Siemens
		Fuji		
58	CO2 Sensor	Siemens	Omicron	Johnson
59	Demand Ventilation System	fanair	asawa	
60	Equipment	Conaire	Glenstorm	Tristar
61	Motorized Assembly	Conaire	Glenstorm	Tristar
62	Integrator	Conaire	Glenstorm	Tristar
63	High Density PVC Pipe	Finolex	Kissan	Prince
		Supreme		
64				
65	Online Scale preventer	Scale Guard	Ristello	Supremo
66				
67	VRF/VRVSystem	Daikin	Toshiba	Hitachi
		Mitsubishi Electric		
68	Copper Refrigerant Pipe	Camipro	Rajco	Mandev
69	Chilled Water Hi- Wall & Cassette	Midea	Caryaire	Edgetech
70	AHU / FCU Motor	ABB	Crompton	Siemens
71	PACs	Stuluz	Emerson	Blue Box
72	Flexible Duct	UPTwiga	Caryaire	Atco
		Asawa	Ductro	
73	Aluminium Sheet	Nalco	Hindalco	Balco
74	MDPE gas Pipes	VPL Pipes	Finolex	Supreme
7. PLUMBING & SANITARY				
1	Sanitary Fittings & Accessories	Parryware(Roca)	Kohler	Cera
		Euronics	H&R johnson	Simpolo
		Jaquar	RAK	toto

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2	Concealed cistern	Hindware	Kohler	Jaquar
		Geberit	Euronics	toto
3	WC connector	Geberit	Kohler	Viega
4	Auto Urinal Flush System	Duravit	Kohler	Euronics
		Grohe	Sloan	
5	CP Brass Fittings	Jaquar	Kohler	Parryware
		Euronics	Roca	
6	G.I. / M.S. Pipe	Tata	Jindal (Hissar)	Surya Prakash
		APL Apollo	UPL	VPL india
7	G.I. Fittings	Unik	KS	Zoloto
		Surya	Leader Valves ltd	R-Brand
		PRINCE		
8	SS Pipes	Jindal	Tata	VIGA
		Alfa		
9	HDPE Pipes	Saint Gobain	Astral	SFMC
		APL apollo	Flowguard	Prince
		VPL pipes		
10	DI Pipes	Electrosteel	Jindal	Tata Ductura
		APL Apollo		
11	DI Fittings	Kartar	Electrosteel	Kalinga
12	CI Fittings	Neel	Kartar	Electrosteel
13	Float Valve	IVC	Leader	Zoloto
		KSB		
14	UPVC Pipe and Fittings	Astral	Supreme	Finolex
		SPMC	Wavin	AKG
		Flowguardsystem	KS	Prince
		Prince	Vectus	APL Apollo
15	PVC Pipe & Fittings	AKG	Supreme	Finolex
		VPL	Surya Prakash	Vectus
		Prince	Wavin	APL Apollo
16	CPVC Pipes & Fittings	AKG	Astral	Supreme
		Surya Prakash	Prince	Vectus
		Finolex	APL Apollo	
17	Centrifugally Cast (Spun) Iron Pipes & Fittings	NECO	SKF	Electrosteel
		APL Apolo	BIC	RPMF
18	Centrifugally Cast (Spun) Iron (Class LA) Pipes	NECO	Electro Steel	TATA
		BIC	RPMF	
19	Centrifugally Cast (Spun) Ductile Iron Pipes & Fittings	Electro Steel	Jindal (Hissar)	Kalinga
		AKG		
20	C.I. Manhole covers, Frames & GI Gratings	NECO	RIF	BIC
		SKF	Jain Spun Pipe Co.	Electro Steel Castings LTD
21	SFRC Manhole covers & gratings	KK	Dudhi	Pragati
		T-CON	RPMF	
22	RCC manhole Covers & Frames	KK manhole	Grating Co. Pvt Ltd	
		Himalya		
23	D.I. & FRP Manhole Covers & Frames	Neco,	Foundry Agra	Kartar
		RPMF	Dudhi Industries	Goyal iron
24	Gun Metal Valves, Globes	Sant	Castle	Zoloto

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25	NRV- Ball type - Sewage application	Danfoss	ZALOTOAUDCO	
26	Bellow Type, Pressure Reducing Valve	CIM	Danfoss	Honey well
27	Floor Traps	Jayana	Chilly	Nirali
28	Water Meter	Prima	Zoloto	Leader
		Capstan		
29	Brass Stop & Bib Cock	Zoloto	Sant	L&K
		Leader	Astral	Euronics
30	Non Return Valve(Check valve) 1/2" to 1 1/4"	Zoloto	Sant	Leader
		Kartar		
31	Brass Ferrules	Dhawan Sanitary Udyog	Kalsi	Annapurna
32	Polythylene water storage tank	Sintex	Polycon	SPL
		Vectus		
33	Insulation hot water pipes	Kaiflex	Armaflex	Careflex
		Lloyd		
34	Insulation external/exposed hot water pipe	Kaiflex	Armaflex	Careflex
		Lloyd		
35	Pipe protection for external water supply pipes	Pypkote	Armaflex	Makpolykote
36	GI/MS Pipe Protection Wrapping & Coating	IWL- Pypkote	Rustech - Coatek	
37	Stainless Steel Sink	Neelkanth	Nirali	Jayna
		JSL Architecture	Koncept Solutions	Anupam
		Cera	Franke Fabre	Continental Equipment
38	Stoneware Pipes	Perfect	Hind	Burn
		RK		
39	Gully Traps	Perfect	Hind	Burn
		RK		
40	RCC Pipes (NP-2)	Lakshmi	Sood&Sood	Jain & Co.
		Pragati Concrete	Prince pipe	
41	Atactic Polypropylene	STP	HTL	HydroTech
		Pidilite		
42	C.P. Waste, Spreaders, Urinal Flush Pipes	Jaquar	Parko	Prince
43	Check Valve - Dual Plate	Advance	Danfoss	Kirloskar
44	Ball Valves / wafer type valves	Zoloto	Leader	AIP
45	Check Valve Forged Screwed	CIM/ Leader	Sant	
46	Ball Cocks	GPA	Sant	L&K
47	Air Release Valves	Sant	Leader	Zoloto
48	Pipe coat	IWLLtd	Pypkote	STP
49	CI Double Flanged Sluice Valve	Kirloskar	IVC	Sondhi
		Kejriwal		
		Nuwood	Duratuff	Pidilite

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50	Adhesives	Akemi		
51	PE-AL-PE	Kitec	Jindal	Supreme
52	Solar Water Heating System	Tata BP	HoneyWell	Solar
53	Water Heater (Geyser)	Bajaj Spherhot	Photon	Jaquar
		Racold	Havells	
54	Hand Drier	Euronics	Duravit	Grohe Kohler
55	Backflow preventer (Water Hammer)	Normex	Kessel	Lahri
56	Drinking Water Cooler	Blue Star,	Voltas	Oasis
		Usha	Koncept Solutions	
57	Anti-Vibration Mounting & Flexible connections	Resistoflex	Dunlop	Flexionics
58	Electronic Flow Meter	Blue Star	Usha	Voltas
59	Temperature Sensor/ Gauge	Forbes Marshall	Danfoss	Wika
60	Rain Water Harvesting System	Shri Ganga Boring	UgrayaWater Pvt. Ltd.	Ashwath Infratech Pvt. Ltd.
		Bantair	AqraWater Solution	
61	Stainless steel press pipe system	Alfa press	Viega	Jindal
62	Flushometer	sloan	kohler	geberit
8. FIRE FIGHTING				
1	M. S Pipe (firefighting)	Tata	Jindal Hissar	Prakash Surya
		SAIL		
2	G. I Pipes(firefighting)	Jindal Hissar	Prakash Surya	SAIL
		TATA		
3	Forged Fittings	SS	VS	True Forge
4	ERW/ butt Welded Fittings	MEC (Jainsons)	Unik	
5	Groove Fittings (UL listed)	Victaulic	Jainson	New
6	Ball Valve / Gate Valve (Gunmetal)	Sant	Leader	Zoloto
		CIM		
7	Butterfly Valve	Zoloto	Kirloskar	Leader
		Audco		
8	Motorized Butterfly Valve	Advance	AUDCO	L&T
		Zoloto		
9	Balancing Valve	Advance	Utam&VTM	L&T
10	Non Return Valve	Advance	Utam&VTM	L&T
11	Y-Strainer	Emerald	AUDCO	kirloskar
		Zoloto		
12	Pot Strainer	Rapidcool	Emerald	Sant
		AUDCO	Zoloto	
13	Thermometer	Emerald	Anergy	Honeywell
14	PICB Valve	Danfoss	Frees	Ovenrop
		Spirotech	Reflex	
15	Control Valve	HD	Viking (VLListed)	
		Anergy	Siemens	Emerald
	Airvent	CIM	Advance	Honeywell

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16				
17	Expansion Tank	Anergy	Emerald	
18	Hot Water Generator	Sant	Emerald	Rapidcool
19	Air Pressure Valve	Anergy	Flemco	Castle
		SKS	Leader	
20	C.I. Double flanged sluice valves	Kirloskar	Zoloto	Sant
		IVC		
21	C.I. Double flanged Non-return valves	Kirloskar	Zoloto	Leader
		IVC		
22	Dual Plate /Wafer Type Non-return valves	Kirloskar	Zoloto	Leader
		IVC		
23	Foot valve with Strainer	Kirloskar	Leader	Zoloto
24	Y-Type / Pot / Suction Strainer	Kirloskar	Leader	Zoloto
		Tyco	Advance	
25	Fire Extinguishers	Zenith	Kalpex	Safex
		Ceasefire	Newage	Safe Fire
26	First Aid Hose Reel Drum	Kalpex	Newage	Safex
		Safe Fire		
27	Thermo Plastic Hose Reels for Drums	Kalpex	Newage	Safex
28	R.R.L. Hose & C.P. Hose	Superex	Newage	Eversafe
		Safe Fire		
29	Branch Pipe, Nozzle, Coupling etc	Kalpex	Lifeguard	Safeguard
		Safe Fire		
30	Landing Valves	Kalpex	Newage	Eversafe
		Safe Fire		
31	Fire Brigade Connections	Superex	Newage	Eversafe
		Kalpex	Safe Fire	
32	Fire Fighting Equipment not covered elsewhere	Superex	Newage	Eversafe
		kalpex		
33	Hose Box	Superex	Newage	Eversafe
34	Sprinkler & Rosette Plates	Tyco	Viking	HD
		Spray Safe	Newage	
35	Flexible Connector(Drop) for Sprinkler	Easyflex	Viking	Newage
36	Flow Switches	System Sensor	Honeywell	Potter
		Tyco	ASES Security	
37	Inspector Test valve	Viking	Tyco	Hd
38	Pre-Fabricated Structural supports and clamps	Chilly	Hitech	Camry
		Easyflex		
39	Pressure Gauge	Emerald	Fiebig	H.Guru
		Danfoss		
40	Alarm Valve	Viking	Tyco	HD
41	Antsuction & delivery flexible pipe connectors	Easyflex	Resistofle	Dunlop
		SAIL	Tata Steel Ltd	RINL

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42	Flexible Duct Connector	Mapro	wall Industrial corporation	Resistoflex
43	Stainless Steel Branch Pipe	Safex	Padmini	GETech
		kalpex		
44	Fireman Axe / Installation Control Valve	Safex	Padmini	GETech
		kalpex		
45	2-way / 4-way FBC	Safex	Newage	GETech
46	Sprinkler Heads	Tyco	HD	Omax UL
		kalpex		
47	Pipe Protection Pypcoat wrapping	IWL	Taxa	Mac-poly coat
48	Rubber Bellow	Kanwal Industrial Corporation	Resistoflex	AIPValves
49	Deluge Valve	Safex	Tyco	HD
50	Flexible Drop (UL Approved)	Safex	HD	Kofulso
51	Antivibration Pad	Cori Dunlop	mond Pipe Support	Easyflex
		Flexionics	Resistoflex	Emerald
52	Motors for Fire Pumps	Siemens	Kirloskar	Crompton
		ABB		
53	Fire Pumps	Kirloskar	Mather & Platt	Grundfoss
		Siemens	Schneider	ABB
54	Electrical Switch Gears	Siemens	Schneider	ABB
		L&T	Havells	C & S
55	Power and Control Cables	Paramount	Polycab	Havells
		Batra Henlay	Grandlay	Avocab
		AKG		Gemscab
56	Control Panel of Terrace Pumps	Advance panel & Switchgear	Adlec	Tricolite Elect
		Trai enterprise	Ambit	Industry
		RST		
57	Voltmeter & Ammeter	Schneider	Neptune	Rishabh
		Conserve		
58	Indicating Lamp and Selector Switches	BCH	Rishabh	Conserve
		Havells		
59	CT	AE	Kappa	Nutech Electrical
		Havells		
60	MCCB / MPCB / MCB/RCCB	Siemens	Schneider	C & S
		ABB	Havells	
61	Contractors /Times, Overload Relays / Starter	L&T	Siemens	Schneider
		Havells		
62	Annunciation panels	PCD	Agni	Tricolite
		Adlec		
63	Single phase preventor	Minilac	L&T	Siemens
64	Anti Vibration Mounting	Kanwal Industrial Corporation	Resistoflex	Ewren
65	Starter	L&T	Siemens	Crompton
		Havells,GE	ABB	BCH

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66	Current Transformer(Cast Resin)	AE	L&T	Kappa
67	Air Circuit Breaker	Havells	ABB	Indoasian
		C&S		
9. INSULATION				
1	GlassWool	U.P.Twiga	Owen Corning	Aerolam
2	Nitrile Rubber	Armacell	K-flex	Aerocell
3	Expanded polystyrene	SHI	Beardshell	Styrene packaging
4	Vibration isolator pads	Resistoflex	Kanwal	
5	Paracoat BPC	Paramount	Pidilite	
10. PUMPS AND WATERTREATMENT SYSTEM				
1	Pumps	Grundfoss	Xylem	WILLO
		KSB	Kirloskar	
2	Submersible Drainage Pumps	KSB	Grundfoss	Crompton
3	Ball Valves	ARCO	SANT	Zoloto
4	Butterfly Valve	KSB	SKS	AUDCO
5	C.I. double flanged sluice valve	Zoloto	Sant	Castle
		Kartar		
6	Non Return Valve	Zoloto	Sant	Castle
		Kartar		
7	Y- Strainers	Zoloto	Sant	Castle
		Kartar		
8	Float Switch	Nolta	Danfoss	HoneyWell
9	Pressure Gauge	Fiebig	H. Guru	Danfoss
10	Dosing system	Milton Roy	Asialmi	Grundfoss
11	Liquid Level Controllers/Liquid LevelIndicator	Advance	HoneyWell	Danfoss
12	Filter / Softener	Ion Exchange	RenaissanceAqua	Pentair
		Watcon		
13	Salt Saturator	Ion Exchange	RenaissanceAqua	Pentair
		Watcon		
14	Water Meter	Kent	Marshall	Sant
15	Water Treatment Plant	Ion Exchange	Brisanzi	Netsol
		Thermax	Hydro tech	Blue drop enviro pvt ltd
		Paryavaran		
16	Vessels	Astral	KGM	Structural
17	Mechanical Seal	Burgmann	Sealol	
18	Grease Trap / Separator	ACO	Wade	Kassel
11. SEWAGE TREATMENT PLANT(STP)				
1	C.I. double flanged sluice valve	Kirloskar	Leader	Sant
2	C.I. Disk Type non return valves (65mm dia and above - Dual plate type)	Kirloskar	Leader	Sant
3	C.I. Strainer more than 65mm dia	Leader	Sant	Castle
4	PVC Valves	Cepex	Astral	Audco
		NECO/ NEER	Kartar/ RIF	SKF/B.C

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5	C.I./D.I. Manholes cover	RPMF		
6	Plastic Encapsulated Foot Rest	KGM	KK	
7	Filter feed pump	Grundfoss	ITT	WILO / KSB
8	Hydro-Pneumatic Pumping Systems (Flushing, Soft and garden hydrant)	Grundfoss	ITT	WILO / KSB
9	Submersible Sump Pumps for collection chamber, qualization tank, Plant room drainage, Filter backwash sump	KSB,	Grundfoss	Crompton
		Bluedrop enviro pvt ltd		
10	Domestic Hydro pneumatic transfer pump	Grundfoss	DP-Holland	Willo - Mather
11	Pressure Transmitters / Hydrostatic Level Indicators	WIKA	Siemens	Johnson Control
12	Pressure Gauges	Fiebig	H. Guru	WIKA
13	Dosing System	ASIALMI	Milton Roy	Grundfoss
14	Pump Vibration Pads & Suction & Delivery Flexible Connectors	Easyflex	Resistoflex	Dunlop
		Bluedrop enviro pvt ltd		
15	Pressure Sand & Activated carbon filter	M.S. Prefabricated	BRISANZA	FONTUS
16	Air Blowers	Everest	Beta	ABL
17	Ultra Violet Disinfection for Treated Effluent	Alpha UV	Sukrut	Neotec
18	Air Diffusors	BOBKAY	MMAqua	REHAU
19	MBBR media for Aeration tank	MMAqua	PPAqua	Tecpro
20	Dosing Pumps	Milton Roy	Asia LMI	Grundfoss
21	Sludge Pumps (Centrifugal)	Kirloskar	Grundfoss	ITT Industries
22	Sludge Pumps (Screw)	Roto	UTPumps	Stork
23	Tube Settler media	MMAqua	PPAqua	Tecpro
24	Centrifuge	Hiller	Alpha	umboldtWedag
25	Pressure Gauge	H. Guru	Fiebeig	WIKA
26	Level Gauge	H. Guru	Fiebeig	WIKA
27	pH Meter	Hach	Toshniwal	Ionix
28	Conductivity Meter	Hach	Toshniwal	Ionix
29	DO Meter	Hach	Toshniwal	Oakton
30	TDS Meter	Hach	Toshniwal	Oakton
31	UltraViolet Water Purifier (WTP/ STP)	F UVMumbai	Pentair	Eureka Forbes
		Bluedrop enviro pvt ltd		
32	Syphonic Roof Drainage System	Geberit	Saint Gobain	Bluedrop enviro pvt ltd
33	Ozonisation System	Oraipl	Ozonics	Voltas
		Bluedrop enviro pvt ltd		

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34	Geared Motor	Bonfiglioli	Grease Cotton	otovario
35	Exhausters	Nicotra	Kruggler	Green Heck
36	Compost Plant	Excel	Ecoman	Clean India
		Bombay	Bluedrop enviro pvt ltd	Smart Enviro
39	Solid Waste Handling and Conveying	EnvTech (P) Ltd.	Rosa Roca	Bluedrop enviro pvt ltd
12. ELECTRICAL WORKS				
1	Air Circuit Breaker	Schneider	Siemens	ABB
		GE	Indoasian	Legrand
		L&T	C&S	
2	HT& LT Panel	Advance Panel & Switchgear	ABB	Traj Enterprise
			Schneider	Expert Engineers
		Indoasian	RST	L&T
		Control & Switchgear	Prestige Switchgears	SPC Electrotech
3	TTA(Type Tested Assembly) Electrical Panels	Schneider	Siemens,Indoasian	ABB
		L&T	C&S	Legrand
4	MCCB	Legrand	Siemens	Schneider
		ABB	Havells	Indoasian
		C&S		
5	MCB / MPCB/DB/RCCB	Schneider	Siemens,	ABB
		Legrand	Havells	Expert Engineers
		INDOASIAN	C&S	
6	Modular Type light & power Accessories(Switches, socket etc.)G.I. Switch Boxes	Legrand	GM	Havells
		ABB	Indoasian	C&S
7	Multifunction Meters	Schneider	Siemens	Indoasian
		Neptune	Secure	
8	Power Contactor-AC 3Rating / Capacitor Duty Contactor / Starter / Thyrister Module	Schneider	Siemens	Indoasian
		ABB	L&T	C&S
9	APFC Relay	Schneider	L&T	Epcos
		Siemens	C&S	Indoasian
10	Capacitor	Epcos	L&T	Siemens
		Crompton Greaves		
11	Electrical Motor / Motor Starter / Contactor/Switches	Siemens	ABB	Crompton
		L&T	Indoasian	
12	Bus Ducts / Rising Mains	Schneider	Legrand	C&S
		Tricolite	anant power	RST
		L&T	Prestige Switchgears	
13	FRLS PVC Insulated Copper Wire	BatraHenlay	Paramount	Avocab
		Havells	Finolex	Ravin
		Avocab	Polycab	

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14	Power Cables / Control Cables up to 11 KV	Havells	Polycab	BatraHenlay
		Universal	Finolex	Paramount
		Avocab	AKG	
15	Lugs / Gland	Dowel	Comet	Braco
16	PVC Conduit	AKG	BEC	Polypack
		Prince	SFMC, Nor Pack	PKS Export
17	MS Conduit ISI Marked	BEC	AKG	NIC
		JPC	Steel krafts	
18	ESE Lighting Protection System	Erico	Alltec	Tercel
		JMV LPS	Powertrack	
19	DLP Trunking	MK Honeywell	OBO Betterman	Legrand
20	Floor Trunking / Raceway	MK Honeywell	OBO Betterman	Legrand
21	Cable Tray	RMCN		
		Slotco	Ricco	OBO
		Ductrove	anant power	Profab
		Techtotrek	BEC	Steelcraft
		paramount	Asawa	Advance
22	Solar Street Light Fitting with pole	Llyod	AKG	RMCN
		Philips	Bajaj	Aviation PowerSystem
23	Ceiling Fan / Exhaust Fan	VSTP	Wipro	havells
		Crompton Greaves	Havells	Usha
24	Octagonal Steel Pole	Orient	RR	
		Bajaj	Twinkle	Valmart
25	Internal Lighting LED/other lighting	VSTP	Jelcotech	
		Philips/Signify	Havells	jaquar
26	Outdoor Lighting	trilux	Eveready	
		Klite	Philips/Signify	Havells
		Osram	jaquar	Orange Elec
		Wipro	Eveready	Eltrecks
27	Automatic Fire System	FireTrex	Rotarex	Innovex 1230
28	Solar Panels	Tata Solar Power	Photon	Jackson
		Powertrac	BHEL	Indosolar
		Powertech	Ornate Solar	
29	Sensors for light Control	Philips	jaquar	Havells
30	Fusion Protection Sleeve	Simon	Scheider	D-link
31	Facade Lighting	Philips/Signify	Klite	Havells
13. SUBSTATION WORKS				
1	Transformers	Crompton Greaves	Schneider Electric	ABB
		Siemens	Volt amp	Fuji
		Labotek		Transformers
2	33/11 KVVCB HT Panels	Crompton Greaves	Siemens	ABB
		Schneider Electric	L&T	
3	H.T. Termination & Joining Kit	Ray Chem	M-Seal	Birla - 3M
4	Cables Glands	Comet	Dowell	Electromac
		Siemens	Jainsons	Braco
5	Capacitor bank (ISI Marked)	Epcos	Schneider	L&T
		ABB	Siemens	
		Protec	Tercel	JMV

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6	Maintenance Free Earthing	Ecosafe		
7	ATS (Automatic Transformer Switch)	Asco	Caterpillar	GE
		Vitzrotech	ABB	
8	Protection Relays	ABB	Schneider Electric	L&T
		Siemens		
9	Current Transformer (Cast Resin Epoxy Coated)/ Potential Transformer	Neptune	Gilbert & Maxwell	Kappa
10	Electrical Digital Meter with LCD Display	Neptune	Siemens	Schneider Electric
11	HRC Fuse and Fuse Fitting	ABB	Neptune	Siemens
		GE	L&T	
12	Indicating Lamps	L&T	ABB	Siemens
		Schneider Electric		
13	11kv cable	paramount	Batra henlay	finolex
14	33 Kv Cable	paramount	Batra Henlay	Finolex
14. DG SETS & RELATED ITEMS				
1	DG Set	Kirloskar	Sudhir	Jackson
2	Diesel Engine	Cummins	Caterpillar	MTU
		Perkins		
3	Alternator	Leroy Somer	Caterpillar	Stamford
		Toyo Denki	KEC	
4	Batteries	Panasonic	Exide	Amaron
5	Batteries Charger	Uptron	Volstat Electronics	Statcon
		AE	Labotek	
6	PLC	Schneider	Allen Bradle	Siemens
7	NIS / NGR	Resitech	Essen	RSI Switchgear
		Lachhman Electronics		
8	AHF/APPF/AMF/EPP/FPP/AVR	Labotek	ABB	GE
9	Automatic phase sequence Character	Labotek	ABB	GE
11	Constant voltage constant frequency, Transient Voltage Surge Suppression	Labotek	ABB	GE
12	K13 Isolation Transformer	LT(Labotek)	ABB	GE
15. FIRE DETECTION & ALARM SYSTEM				
1		Bosch	Siemens	Menvier
	Detectors & Devices – Intelligent multi criteria detector, smoke, heat & duct detectors, control & monitor module, fault isolator, hooters etc. Addressable Main Fire Alarm Panel with Digital Voice Evacuation System	Honeywell	ASES Security	Eaton
		Hochiki	Esseby	AYZO
2	Fire Survival Cable	Rallison	Polycab	Bonton
		Ramcro	Havells	Avocab
		BatraHenlay	AKG	KEI
3	UPS System	APC	Emerson	Schneider
		Mitsubishi	Siemens	Numeric
		Socomec	Fuji	Labotek
		Honeywell	Bosch	Bose

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4	Public Address & Back Ground music system	TOA	Majercom	Ayzo
		Cavitak	JBL-Harman	Eaton
5	Access Control	Dorma	Siemens	Honeywell
		HID	Geze	Ravel
		Taiton	UTC	Suprema
		Bosch	Link	Hikvision
		Avians	Matrix	TyCO
		Invixium	Yale	
6	Emergency Break Glass Unit	Honeywell	GE	Bosch
16. IPBASED CCTV SYSTEM				
1	NVR/NAS & Accessories Encoder Decoder	Honeywell	Bosch	Pelco
		Siemens	Stanley Security	Mobotix
		Tyco	AXIs	GVD
2	CCTV Cameras	Honeywell	Bosch	Pelco
		GVD	Matrix	HikvisionPra ma
		Siemens	Tyco	Mobotix
3	Power Supply	Protec	Axis	GVD
4	Weatherproofing housing	Honeywell	Bosch	Pelco
		Siemens	Stanley Security	Axis/GVD
5	Network Switch(L2 / L3)	Cisco	Microsens	HP
		Signamax	Extreme	Juniper
		Dell	D link	
6	Multipurpose Poles	KeselecSchreder	Heper	Wipro
		Jelcotech	VSTP	
7	Digital Lighting	Osram	K lite	Panasonic
		Signamax	Signify(Phillips)	
8	Boom Barrier/Turnstites		Somfy	Ravel
		Godrej	Dormakaba	FAAC
9	Co-Axial TV Cable/power Cable	L&T	Havells	Polycab
		KEI	Avocab	Finolex
		RR	Paramount	AKG
10	CAT6 24 Port Jack Panel	CommScope	Systemax	Siemens
		Legrand	Panduit	Orange Electric
		Finolex		
11	Passive networking - IT racks	Siemon	Rittal	Nikon
		Sistemax		
		Orange Electric	Netrack	APC
		Legrand	Panduit	Comenscope
12	Structured Cabling and components	Schindler	Siemon	Systimax
		Legrand	Tyco	
13	Fire Cable	Netapp	Gemscab	Ramcro
		Batra henlay	AKG	Paramount
14	Network Attached Storage	Netrack	Rittal	APC
		HP	Dell	Lenovo
		Samsung	Apple	Vestel
15	Desktop PC	HP	Dell	Lenovo
		Samsung	Apple	Vestel

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16	Professional Display Panel	HP	Dell	Lenovo
		Samsung	LG	Vestel
17	EPABX (IP Based)	NEC	Avaya	Alcatel
		Panasonic	Matrix	Beetel
18	Baggage Scanners	Ravel	Beumer	Smith ,Detecti on
		Hikvision Prama		
19	IP PBX, Safety Fire, Security CCTV, Access AV, Automation	Cavitak	AYZO	QIS
		GVD	Hikvision Prama	Eaton
17. ELEVATORS & ESCALATORS				
1	Elevators	Mistubhishi	Kone	Schindler
		Johnson	Thyssen krup	
2	Escalators/Travelators	Mistubhishi	Kone	Schindler
		Johnson		
18. LANDSCAPEWORKS				
1	Water Body Vendors/Fountain	Ripple Engineering	Premium Pools	atconWater Specialist
		Aqva Star	Certikin	Frazilwater
2	Irrigation Products	StitchwellQualite x	Irrigation ProductsInternatio nal	Jain Irrigation Systems
19. BMSWORK				
1	Standalone DDCs	Honeywell- Comfortpoint	Siemens (PX SERIES	Johnson Controls Metasys
		Schneider Electric Struxureware		
2	Web Based BMS Software with unlimited user license	Honeywell-EBI	Siemens Desigo	Johnson Controls Metasys
		Schneider Electric Struxureware		
3	Web Based Router / Network Controller	Honeywell- Comfortpoint	Siemens Desigo	Johnson Controls Metasys
		Schneider Electric Struxureware		
4	Power & Energy Management Software	Honeywell	Siemens	Johnson Controls
		Schneider Electric		
5	Duct Temperature Sensor	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
6	Immersion Temperature Sensor	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
7	Room Temperature Sensor	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
8	Duct Humidity Sensor	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
		Honeywell	Siemens	Johnson Controls

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9	Room Humidity Sensor	Schneider Electric	Greystone Energy	Omicron
10	Flow Meter	Schenitech	Honeywell	Kampstrup
		Omicron		
11	Duct Static Pressure Sensor	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
12	Water Level Switch	Veksler	Filpro	Sontay
		Omicron		
13	DP Switch –Water	Honeywell	Siemens	Johnson Controls
		Schneider Electric		
14	DP Switch –Air	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
15	CO2 Sensor / IAQ	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
16	Water Flow Switch	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
17	Pressure Transmitter–Water	Honeywell	Siemens	Johnson Controls
		Schneider Electric	Greystone Energy	Omicron
18	Current Relay	Veris	Seto	Mamac
		Omron	ABB	Omicron
19	Voltage / Current / Power Factor Transducer	SETO	ABB	L&T
		Enercon	SETCO,Situ	Omicron
20	Flame Proof Level Switch / Level Transmitter	Veksler	Filpro	Sontay
		Techtrol	Omicron	
21	PH Sensor /TDS Sensor	Honeywell	Hach	Greisinger
22	Personal Computer and Servers	HP	DELL	LENOVO
		TOSHIBA		
23	Colour Monitor	LL(ULTRA SHARP)	HP(PAVILION)	SUNG (SYNC MASTER)
		ASUS	LG (FLATRON)	Lenovo
24	Printer	HP	EPSON	CANON
		kyocera		
25	Copper Conductor Control Cable	Finolex	Skytone	Havells
		Delton	Excel	
		Fusion Polymers	Polycab	Avocab
26	Communication Cables/ Signal Cable	Finolex	Avocab	Delton
		Skytone	Excel	
		Fusion Polymers	Polycab	Havells
27	LAN cables for BMS Network	Belden	Digi-Link	Avaya/Panduit
28	PVC Conduits	BEC	AKG	SFMC
29	Network Switches	HP	Cisco	Extreme
20. MISCELLANEOUS / OTHERWORKS				

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1	Customized Cable tray for multi services, Lighting & LV wiring	BEC	Leeway Design	OBO Betterman
		Jetcotech		
2	Optical Turnstiles	Boon Edam	Gunnebo	Dorma
3	Central Vacuum System	Systemair	Sachvac	Schonbach
		Sistemair	fanair	
4	Multi Purpose Poles	Keselec	Heper	Wipro
		VSTP		
5	Garbage Chute system	Ecotech Chutes	Horizon Chutes	Hardal
		Premier tech Aqua	JKK Corporation	
6	Waste Compacter bins	Universal e cube	Big Belly Solar	Schonbach
		Koncept solutions		
7	Polyurethane Sealent	Choksey	Fosroc	Pidilite
8	Adhesive for Wood Work	Dunlop	Fevicol	Vamicol
		Pidilite		
9	Landscape Furniture	Godrej	Wipro	Featherlite
		KK Manhole & Grating Co. Pvt. Ltd	JSLArchitecture Ltd	Dudhi
		TOSPL		
		Geeken	Delite	AFC
10	Hdpe Grass Pavers & Hdpe Drain Board	Ovilite	Aceturf	Plydex
		Geeken	Steelcase	Dudhi industries
11	Ornate Pots (Removable Planters)	Smart Exteriors	Yuccabe	Raunaq Sales
		DUDHI		
12	Stone slabs – Marble & Granite	R.K.Marble	Malani Marbles	Mangla Group
		DBS	Sarna marble	
13	indoor & Outdoor Tiles (High Load)	Pavit	Unistone	Somany
		Cera	RAK	Hindware
		Simpolo	H&R Johnson	Alstone,
14	Vitrified Tiles (Antiskid / Matt / Glazed) & Ceramic tiles	RAK Ceramics	Hindware	Varmora
		Cera	H&R Johnson	simpolo
		AGL		
15	Insulated Aluminium Panels	Luxalon	Qbiss	Alston
16	Kids Play Equipment	Koochie	Kompam	Hugo play
17	ArtWork - Sculptures / glass mosaics	Kalanishtha	ArtView Studio	Us India Art & Culture Exchange
		Enterprises		
		Art Kommune	Shinex	Timeless Art
18	Furnitures and Chairs	Prominace	Steelcase	Featherlite
		loomcraft	TOSPL	AFC
		Brown crust	Wipro	Godrej
		Geeken		
19	Modular Matting	Euronics	Bobric	3M
			Dolphy	Prolite Glo
20	Baby changing Station	Bobric	Euronics	Dolphy
21	Paper napkin Dispensor	Bobric	Euronics	Dolphy
22	Specially abled Fittings	Pressalit Ltd.	Hindustan	Euronics
23	Decorative Films / Safety Films	3 M	Garware	Taiton

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24	Glass Mirror`	AIS	ASAHI	Modi Guard
25	Public Address System	Bose	TOA	Vonamic
26	SS Sink	Jayna	Franke	Koncept Solutions
		Neelkanth	Nirali	Anupam
27	Drawer Channels	OZONE	TELESCOPIC EBCO	Dorma
		Chase	hafele	
28	Signages	3M	Ergomax	ProliteAutogl o
29	Flap Barrier, Boom Barrier, HHMD, DFMD, Face recognition terminal, ANPR& thermal camera, Video wall solution & ELV System	Dorma	HikvisionPrama	Ravel
		Secutech	AYZO	QIS
		GVD	Cavitak	
30	Zinc Composite panels	Aludecor	Alstone	Alstrong
		Vmzinc	VIVA	
31	EV charger	LABOTEK	GE	ABB
32	MEPF	Halion	VKBS	Yogi Engineers
33	Digital Biometric and RFID Locks	Taiton	Yale	Godrej
34	Movable partitions Accoustic and glass	Taiton	Dormakaba	
35	Smart Switch Film	Taiton	3M	Gavware
36	Air purification systems	Magneto	Intelligreen Technologies	
37	Modular -rain water harvesting	Bantair	Amricha	Wavin
38	UV water purifier	Think Green	Blue drop enviro pvt ltd	zeroB
39	Outdoor tiles High load	somany	simpolo	unistone
		Pavit	HR johnson	
40	SS Bus stop and Tandem chairs	Koncept solutions	JSPL	Continental Equipment
41	Solid waste handling and conveying	Lemir tech Aqua	Bluedrop enviro pvt ltd	
42	Solar panels	Solar ornate	powertrac	Jackson
		TATA	Adani	
43	Liquid soap Dispenser, Toilet paper holder , Towel rail	Bobric	Euronics	Sloan/Dolphy
44	Queue Manager	Bobric	Euronics	Dolphy
45	RO system	Blue Star	Kent	Eureka Forbes
46	Water softener	Ion Exchange	Pentair	Eureka Forbes
47	Bar code/QR code / Scanner/fee display monitor/optical scanner	Zebra technologies	Newland AIDE	Honeywell
48	Thermal receipt Printer	Zebra technologies	Newland AIDE	Honeywell
49	Digital Clock (GPS)			
50	Solar water Heater Panel	Honeywell	V guard	Tata
51	SMC GRP Panel Tank	Sintex	orion	
SCADA SYSTEM				
1	Panel	Eldon	Schneider	Vestel
2	PLC/HMI Hardware& accessories	Siemens	Schneider	Vestel
3	PLC & HMI Programming software	Siemens	Schneider	Vestel

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4	Cable	Havell	Polycab	AKG
5	MCB	Schneider	Siemens	Havells
6	Switch & Sockets	Schneider	Siemens	Havells
7	Industrial PC	Hewlett Packard	ACER	Apple
8	Communication Cables	Amp	Dlink	Tyco

Note-(a) Contractor is required to do the sampling for every item and take necessary approval of the brand from the Authority's Engineer & Principal architect (DPR consultant appointed by client)

(b) All finish items such as paints, tiles, stone etc. contractor is required to take necessary approval of makes, shades, designs along with specifications from the principal design consultant along with the Authority's Engineer .

(C) All Makes / Brands/products to be having test certificates.

(D) All Makes / Brands/products to be standardized as per EN/BIS Standards.

(E) Preferably make in India

(F) All makes/brands/products to be ISI/BIS/BEE marked or RDSO Approved