

**Chief Project Manager
Gati Shakti Unit,
Near GM Bungalow,
Railway colony,
SEC.Railway Bilaspur-495004**

SECTION 1

1.1 Background

INTRODUCTION

1.1.1 The President of India represented by the **Chief Project Manager**, Gati Shakti Unit-Bilaspur (the “**Authority**”), having its principal office at **Near GM Bungalow, Railway Colony, SEC.RAILWAY, Bilaspur-495004, India** is engaged in the development of railways and related infrastructure, and as part of this endeavour, the Authority has decided to undertake the **Major up-gradation of Bilaspur Railway Station of SEC.RAILWAY** (the “**Project**”) through Engineering, Procurement and Construction (the “**EPC**”) contract, and has decided to carry out a single stage bidding process 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	Major up-gradation of Bilaspur Railway Station of SEC RAILWAY on Engineering, Procurement and Construction (EPC) mode.
2.	Estimated Project Cost	Rs. 4,40,57,35,888.90/- Rupees Four Hundred Forty Crore Fifty-Seven Lakh Thirty-Five Thousand Eight hundred eighty-Eight Ninety Paise only.
3.	Construction Period	36 months
4.	Bid Due Date and time	By 1500 hrs. on 20.05.24.
5.	Physical submission of all documents listed in clause no. 2.11.2	By Bid Due Date + 5 working days
6.	Date and Time of Opening of Bid	At 1500 hrs IST on the (Bid Due Date + 5 working days)
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	Rs.2,00,00,000/- <i>Rupees two Crore</i>
12.	Officer and Address to Submit the physical documents as per clause 2.11.4 of RFP	Name of Officer: CPM/GSU/Bilaspur Address: Gati Shakti Unit, Near GM Bungalow, SEC.RAILWAY-Bilaspur. Phone : 9303978660 E mail : cpmgsubsp@gmail.com

13.	Validity of the Bid	120 days from the Bid Due Date
14.	Pre-bid Conference Details	Date: 09.04.24 Time: 1500 Hrs. Venue: Gati Shakti Unit, Near GM Bungalow, SEC.RAILWAY-Bilaspur.
15.	Last date of receiving Queries	17.04.24 up-to 1800 Hrs.
16.	Performance Security	5% five percent of Contract Price in termsof Clause 2.21.1
17.	Submission of PerformanceSecurity	Within 30 days of issue of Letter of Award(LOA)
18.	Signing of Agreement	Within 15 days of submission of Performance Security.
19.	Documents enclosed with theRFP	a) Draft EPC Agreement for the Projectincluding all schedules. b) Project Report of the Project c) Drawings
20.	Technical Consultant of theProject	ARINEM CONSULTANCY SERVICES Pvt. Ltd., B-I/3, Hauz Khas, New Delhi-110016

- 1.1.1 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.
- 1.1.2 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.
- 1.1.3 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.
- 1.1.4 The Authority shall receive Bids pursuant to this RFP in accordance with the terms set forth in this RFP and other documents to be provided by the Authority pursuant to this RFP, as modified, altered, amended and clarified from time to time by the Authority (collectively the “**Bidding Documents**”), and all Bids shall be prepared and submitted in accordance with such terms on or before the Bid Due Date as specified in the KIT as provided in Clause 1.1.2 for submission of Bids (the “**Bid Due Date**”)

1.2 Brief description of Bidding Process

- 1.2.1 The Authority has adopted a single stage two packet system (referred to as the “**Bidding**

Authority's Requirement

Appendix- 7 Approved Makes/ Brands



APPROVED MAKES/ BRANDS

Specification/brands names of materials to be used as per the scope of work 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/manufacturer. The materials of any other brand/manufacturer may be proposed for use by the agency in case the brands specified below are not available in the market or discontinued for any reason 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 Authority/Authority Engineer .

The sanitary fitting shall be of premium quality of approved brand make and manufacturer as per approval of Authority/Authority Engineer.

All the urinals, taps shall be sensor based.

Note:

- a) Contractor is required to do the sampling for every item and take necessary approval of the brand from the Authority's Engineer.
- 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 Authority's Engineer.
- c) If any make, beyond approved list proposed to be used then approval of Authority's Engineer shall be taken and it should be proved that the make suggested by the contractor is superior to the makes listed below.
- d) All Makes / Brands/products to be having test certificates.
- e) No material should be brought at site without prior approval of Authority/Authority Engineer

The approved Makes/Brands are indicative only to help identify the generic material, standards and specifications as provided in General in MANUAL FOR STANDARDS AND SPECIFICATIONS FOR RAILWAY STATIONS 2009, updated 2020. Being listed in Approved Makes /Brands is not the tests of acceptance, the acceptance of material shall be on the basis of conformity with the relevant Indian Standard or any other approved CODE (Generally contained in MSSR 2009) and passing the laid down tests. Railway board's orders vide No.2020/RS(G)/779/2, New Delhi, dated 12.08.2021 on Ensuring full compliance of Public Procurement (Preference to 'Make in India' Order), 2017 needs to be

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followed in letter and spirit to promote "Make in India" products conforming to the specifications.

S.No	DESCRIPTION/ ITEM	Approved Makes / Brands		
1	Ordinary Portland Cement / Pozzolona Cement/GGBS Cement	ACC	Ultratech	Emami
		JSW	Birla Gold	Ambuja
		JK Laxmi	Lafarge Duraguard	Dalmia Cement
		Shree Cement	Bangur	Doublebull
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(Vizag Steel)
		Shyam Steel	JSW	
5	Structural Steel / M.S. Tubes	TATA	JSW Steel Ltd	SAIL
		APL Apollo	RINL	Jindal Steel & Power Ltd
6	Plasticizer, Super Plasticizer, Admixtures, Other construction chemicals	BASF	Fosroc	Berger
		Asian Paints Ltd.	ECMAS	Tremco
		Saint Gobain (Chryso)	MYK Laticrete	Astral
7	Waterproofing Self Adhesive (HDPE) membrane, Waterproofing Compound (Crystalline), EPDM Waterproofing Membrane	DBS	Fosroc	Berger
		Nerolac	ECMAS	MYK
		Asian Paints Ltd.	MC bauchemie	Kerakoll
		BASF	Tremco	CICO
		Mepei	Astral	ACO
		Saint Gobain (Chryso)		
8	Polyester Powder Coating Paints Repellent/Admixtures / Water Proofing compound/ Liquid membrane /Self adhesive membrane/other water proofing	Nerolac	Berger	JSW
		Kerakoll	Asian Paints Ltd.	MC bauchemie
		Roff	Saint Gobain (Chryso)	
9	Rebarring Chemical	Hilti	3M India	Birla
		Fischer	Fosroc	
10	Fire Sealant	Hilti	3M India	Birla
		Fischer		
11	PU Elastomeric Membrane (spray applied for Deck Waterproofing)	BASF	Fosroc	
		Sunanda	Keshun	Pidilite
		DBS	MC bauchemie	Mapei
12	Weather Sealant	G.E plastics	Wacker	STP
		Kerakoll	BASF	Dow corning
		Alstone		
13	Poly-Sulphide Sealant	Fosroc	Wacker	Alstone
		Thermamax	Laticrete	BASF

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14	Glasswool Insulation	UP Twiga	Poly Glass	Ownsorning
		Roxul Rockwool	St Gobain	
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	merino
		Greenply	Kitply	
20	Formwork systems	Peri	Doka	Symons
		Elcon Instruments	Chaudhary Industries	
21	Aluminium Shuttering	Maini	S-Form	Kumkang
		MFE Form Work	Mivan	
22	Parallel Threaded Couplers (Compliant to IS16172:2014)	Dextra	Halfen Moment	G-Tech
		Masion In		
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	ACC
25	AAC Mortar	Ferrouscrete	Ultratech	J. K Cement
		Kerakoll		
26	Moisture Resistant Board	Saint Gobain	Gyproc	USG Knauf
		Lloyd Insulation India Ltd	Anakon	Knauf
		Western	Aerolite	
27	Veneered Particle Board	Merino	Duro	Greenlam
		Strawcture Eco	Greenply	lux
		Virgo	Samrat	
28	Laminated Particle Board	Merino	Greenlam	Strawcture eco
		Virgo	Skydecor	
29	Laminates Block board/ Plywood	Merino	Greenlam	Duro
		Skydecor	Jayna	Samrat Plywood
		NewMica	Virgo	
30	Veneer Block board/ Plywood	Merino	Greenlam	Skydecor
		Newmica	Luxe	Duro
			Virgo	Samrat Plywood
31	Flush door / Laminated Flush Doors	Plywood	Luxe	Merino
		Greenply		Virgo
		Greenlam	Duro	Alstone
			Strawcture eco	Skydecor
32	Toilet Cubicles/ Modular toilet	Merino	Greenply	Greenlam
		TATA	Virgo	
		T-line	Reynoarch	

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				Ltd.
		Caboline	Shalimar	
49	Heat Resistant Paint	Asian	Berger	PANACHE
		ACRO		
50	Heat Resistant Tiles	Pavit	Sunheartr	Johnson
		Somany	Simpolo	Thermatek
		Swastik	Hindware	RAK
51	Gypsum Plaster	Ferrous Crete	BASF	Ultratech
		Dudhi industries	Western	
52	GRC Jali	Unistone	Dalal Tiles Industries	Ecovision
		Shakun GRC	Birla white	
53	Welding Electrodes	Advani	Oerlikon	Modi
		L & T		
54	Stainless Steel Chair/ railing	Koncept Solutions	Jindal Alloys	Technorail
		JSW	Dorma	Taiton
		Ozone		
55	Stainless Steel Hardware	Dorma	Hafele	Geze
		Hettich	Koncept Steels	Taiton
		OZONE	Godrej	
56	Automatic Sliding Door(Glass)	Dorma	Ozone	Assa Abloy
		AIS windows	Taiton	Hafele
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	VPL india	Kingspan	APL Apollo
		Jindal	Tata Bluescope Steel Ltd,	KALZIP
		Bhushan		
60	Polycarbonate sheets and Gs sheets	GE Plastics	DPI-Daylighting	Coxwell
		Tiger		
61	GI Profile Sheet	Tata	Lloyd	JSW
		Jindal Essar	APL Apollo	VPL india
62	Acrylic LAminate	Plywood	Skydecor	Virgo
63	PVC Laminates	Plywood	Skydecor	Virgo
2. FALSE CEILING				
1	False Ceiling – Gypsum	Aerolite	India Gypsum	Dexune
		Knauf/USG Knauf	St Gobain	Western
1a	Mineral Fibre Ceiling with GI Grid system	Diamond	Anakon	Knauf
		Dexune		
2	False Ceiling – Metal	Hunter douglas	HARsonsGreen	Durlum
		USG knauf	BSR Calsi	Metalium
2a	Metal False ceiling with GI Grid system	Diamond	Anakon	St gobain
		Armstrong	Dexune	
3	Gyp Board	Saint Gobain	USG knauf/Armstromg	Lafarge
		Western	Aerolite	
4	Open Cell Ceiling	P R Ceilings	Durlum	Hunter Douglas
		USG knauf	Harsons Green	Kalzip
		Dexune	BSR	Metalium



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6	Dash /Anchoring Fasteners	Hilti	Fischer	Bosch
		Koncept	3M	
7	Floor Hardener	Ironite	Fosroc	Hardonite
		Chapdur Sika	BASF	
8	Laminated Floor	Action Tesa	Mikasa	Pergo
		Greenlam	Squarefoot	
9	Composite Marble / Granite / Engineered Stone	Asian	Johnson	Kalinga
		AGL	Simpolo	Fortune Stones
10	Water Based Melamine Polish	Asian Paint	Berger	ICI
11	Building Signage	Hindustan Signage	Cosign	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	Ozone	Indalco	Hindalco
		EBCO	Jindal	Alualpha
		Everite	Godrej	Hafele
2	Aluminum Section	Hindalco	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	Atul Industries	Hifab
		MODI Guard		
6	Glass Spider Fittings	Dorma	Hafele	Ozone
7	Stainless Steel Railing , Accessories etc. in Grade S 304 & 316	Dormakaba	Ozone	JSW
		Koncept Solutions	Jindal	technorail
8	Hermitically Sealed performance glass Toughened Glass	Saint Gobain	Guardian Glass	AIS
		Modiguard	Emirates Glass	KMC Glass Co.
9	Fire RatedVision Panels	Pilkington	Schott	Ferilite
		Saint Gobain	Glaverbel	
10	Fire Rated Doors	Pyrotech	Navair	Sukriti
		Shakti hormann	Tufwud	
		Kalpex	kalco	Bhawanifire
11	Ceramic panel Cladding	Hunter Douglas	Neolith	Terreal
		stonelam	Unitile	Clayton
12	Aluminum Louvers	Hunter Douglas	Kawneer	kalco
		Vibrant Technik	tostem	Alstone
13	Aluminium Composite Panels/Aluminium honeycomb panels	Virgo	Eurobond	Alstone
		Aludecor	VIVA	Alstrong
		Alucobond		
14	G.I. Steel Door Frame	VPL india	Navair	Bhawani Fire
		Apl Apollo	Jindal	
15	Friction Stay Hinges	Dormakaba	LG Sysmac	Dorset
		Hormann	Ozone	
16	EPDM Gasket	Hanu	Anand	Osaka /Alps

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		Ozone		
17	Glass Processor for making DGU / Toughing	Art N Glass	GSC(Noida)	Sejal
		ASAHI	Gold Plus	Kaenat Glass
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	Rajshree	
20	Poly Sulphide Sealant	Wacker	Dow Corning	GE
		Akemi		
22	Silicone / Weather Sealant	Wacker	Dow Corning	GE
		Alstone		
23	Aluminium Door & windows	Kalco	AIS	Jindal
		Tostem	Fenesta	
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	Clayton
27	Metal Claddings	Hunter Douglas	Kalzip	Alstone
		durlum	Harsons Green	
28	Pergolas and louveres(wooden)/aluminium/WPC	Kalco	notion	Reynoarch
		Alstone		
29	WPC(Door frames, boards, Jali,doors,windows)	Alstone	Ecoste	Jayna
30	Fire Rated Accoustic doors	tufwud	pyrotech	Bhawani fire
		Shakti hormann	Sukriti	
5. HARDWARE				
1	Nuts / Bolts / Fastners / Screws	GKW	Atul	Hilti
		Rawlplug	Fischer	
2	Door/Window Fittings	Hettich	ozone	Dorset
3	Door Closer	Dorma	Ozone	Hettich
			dorset	
4	Die Cast Patch Fittings	Dorma	Geze	AssaAbloy
		Hettich	Ozone	
5	Fire Rated Doors	Shakti hormann	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	dorset	Hafele
		Hettich	taiton	Ozone
		Becker		
8	SS Mortise latch & lock with six levers and pair of SS handles steelgrade SS304	Dorma	Ozone	Hafele
		taiton		Hettich
		Becker	dorset	
9	SSTower bolt	Dorma	Hettich	Dorset
		Ozone	Hafele	becker
10	SS Butt hinges with ballbearing grade SS304	Dorma	Ozone	dorset

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		Dorset	Hettich	
11	Stainless Steel Sliding Door bolts	Hettich	Ozone	dorset
12	Pull handle back to back of length 150mm of Steel Grade SS 304/316	Taiton	Geze	Ozone
		Hettich	Dorma	Becker
13	Pull handle, single side of length 150mm of Steel Grade SS304	Dorset	Geze	Ozone
		Hettich	Becker	
14	Aluminium lever Handles	Dorset	ozone	Dorma
15	Modular railing/SS clamp/Fastener/SS dustbin/SS bench	Koncept Solutions	Dorset	Ozone
		Dorma	Technorail	
16	Lever handle in SS 304 finish/Glass Spider Fittings/Automatic Sliding Door/Stainless Steel Hardware	Dorma	Hafele	
		Ozone	Dorset	Becker
17	Tensile fabric with structure	Serge Ferrari	Ancon	MehlerTex
		Taiyo Membrane		
18	Magic Eye	Dorma	hettich	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		
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		
16	2-way Modulating Valves with Thermostat	Belimo		Siemens
17	2-way on off valve with thermostat for FCU	Belimo		Siemens

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18	Expansion Bellows	Resistoflex	Easyflex	Areaflex
		Dunlop	Axin	
19	Pot/Y-Strainers	Sandhu	Rapid Cool	Emerald
		Axin		
20	Suction Guide with Strainer	Anergy	Knauf	Emerald
			Belimo	Siemens
		Axin		
21	RH Sensor	Belimo		Siemens
		Omnicon		
22	Thermostat	Danfoss	Belimo	
		Siemens	Omnicon	
23	Pressure Gauge(IndustrialType	Feibig	H. Guru	Emerald
		Axin		
24	Differential PressureSwitch	Siemens	Rapid Contro	Anergy
		Sant		
25	Thermometers	Feibig	H.Guru	Axin
		Emerald		
26	Closed ExpansionTank	Anergy	Bell & Gossett	Sandhu
27	Air Separator	Anergy	Emerald	Sandhu
28	AutoAirVent	Anergy	Rapid Cool	Oventrop
29	PlugValve	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	DamperActuator	Belimo	Sinider	Systemair
		fanair	Greenheck	
34	Grills/Diffusers	Systemair	Caryaire	Titus
		Trox	Fanair	Sachin
35	FreshAir Louvers	Systemair	Caryaire	Titus
		Trox	Fanair	Sachin
36	Resinbonded Glass Wool Insulation	UPTWIGA	Owens Corning	Kimmco
		K-flex		
37	Protective Coating over insulation (Lag coating)	CISBOND	Foster	Idendan
38	Resinbonded Glass Wool Insulation Insulation	UPTWIGA	Owens Corning	Kimmco
		K-flex		
39	InsulationAdhesive	Weber	Foster	CISBOND
		Henkel		
40	factory Made ducting	Rolastar	Ductofab	Asawa
		Fanair	GP Spira	Dynamic
		Technofab	Ecoduct	Ductro
41	Filters (in Air- conditioning system)	Thermodyne	Purolator	Fanair
	Ventilation Fans	Mackmark		
42	Tube/VaneAxial	Kruger	SystemAir	Greenheck
		Fanair	Flaktwood	
43	Inline (Centrifugal)	Kruger	SystemAir	Caryaire
		Ostberg	Fanair	Flaktwood

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44	Propeller Fans	Kruger fanair	GE	Crompton
45	AirWasher/Scrubber	Edgetech Fanair	Zeco Flaktwood	SystemAir VTS
46	Fan	Kruger fanair	Nikotra Flaktwood	Comferi
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 Rawlplug	Fischer	Gripple
52	Duct Support	GPL fischer	Gripple Ductro	flex Zip- Clip
53	PUF Saddles	s	Beardsell	Malanpur
54	FCU link	ATS (CSI)	Oventrop	CIM
55	SoundAttenuator	Ruskin Fanair	Systemair Flaktwood	Trox
56	CO Sensor	Siemens	Omicron	Johnson
57	VFD	Danfoss Fuji	ABB	Siemens
58	CO2 Sensor	Siemens	Omicron	Johnson
59	DemandVentilation System	fanair	asawa	
60	Equipment	Conaire	Glenstorm	Tristar
61	MotorizedAssembly	Conaire	Glenstorm	Tristar
62	Integrator	Conaire	Glenstorm	Tristar
63	High Density PVC Pipe and fittings	Finolex Supreme	Kissan	
64				
65	Online Scale preventer	Scale Guard	Ristello	Supremo
66				
67	VRF/VRVSystem	Daikin Mitsubishi Electric	Toshiba	Hitachi
68	Copper Refrigerant Pipe	Camipro	Rajco	Mandev
69	ChilledWater Hi- Wall & Cassette	Midea	Caryaire	Edgetech
70	AHU / FCU Motor	ABB	Crompton	Siemens
71	PACs	Stuluz	Emerson	Blue Box
72	Flexible Duct	UPTwiga Asawa	Caryaire Ductro	Atco
73	Aluminium Sheet	Nalco	Hindalco	Balco
74	MDPE gas Pipes	VPL Pipes	Finolex	Supreme
75	Evaporative Cooling Systems	Volvo Eicher	TCPL (Vapi)	Bridgestone
		Greencon		
76	Mist Cooling System	Volvo Eicher	TCPL (Vapi)	Bridgestone
		Greencon		
7. PLUMBING & SANITARY				
1	Sanitary Fittings & Accessories	Hindware Euronics Simpolo	Kohler H&R johnson RAK	Cera Jaquar
2	Concealed cistern	Hindware Geberit	Kohler Euronics	Jaquar Cera

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3	WC connector	Geberit	Kohler	Viega
			Hindware	
4	Auto Urinal Flush System	Jaquar	Kohler	Euronics
			Sloan	Hindware
5	CPBrass Fittings	Jaquar	Kohler	Wiprow
		Euronics	Hindware	
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
8	SS Pipes	Jindal	Tata	VEGA
		Alfa		
9	HDPE Pipes	Saint Gobain	Astral	SFMC
		APL apollo	Flowguard	
		VPL pipes		
10	DI Pipes	Electrosteel	Jindal	Tata Ductura
		APL Apolo		
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	
			Vectus	APL Apollo
15	PVC Pipe & Fittings	AKG	Supreme	Finolex
		VPL	Surya Prakash	Vectus
			Wavin	APL Apollo
16	CPVC Pipes & Fittings	AKG	Astral	Supreme
		Surya Prakash		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
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