

**RANCHI DIVISION-GATI SHAKTI/SOUTH EASTERN RLY  
TENDER DOCUMENT**

Tender No: GSURNC-ENGG-06-2023

Closing Date/Time: 29/12/2023 15:00

DY CPM GS RNC acting for and on behalf of The President of India invites E-Tenders against Tender No **GSURNC-ENGG-06-2023** Closing Date/Time 29/12/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

**1. NIT HEADER**

<b>Name of Work</b>	Major upgradation of Hatia Railway station in Ranchi Division, S.E.Railway on EPC mode		
<b>Bidding type</b>	EPC [ Single Stage ]		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	29/12/2023 15:00	<b>Date Time Of Uploading Tender</b>	31/10/2023 19:53
<b>Pre-Bid Conference Required</b>	Yes	<b>Pre-Bid Conference Date Time</b>	22/11/2023 11:00
<b>2nd Pre-Bid Conference Required</b>	No	<b>2nd Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	3337217466.00	<b>Tendering Section</b>	CIVIL
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	16686100.00	<b>Validity of Offer ( Days)</b>	120
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	30 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	15/12/2023	<b>Are Joint Venture (JV) firms allowed to bid</b>	Yes
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)
<b>Docs. Receipt Confirmation</b>	Required		

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A-Major Upgradation of Ranchi Railway Station at Hatia on Engineering, Procurement and construction (EPC) mode</b>							3337217466.00	
1		Lump Sum			3337217466.00	AT Par	3337217466.00	
<b>Description :- Major re-development of Hatia Railway Station of Ranchi Division of S. E. Railway on EPC basis</b>								

**3. ITEM BREAKUP**

No item break up added
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**4. ELIGIBILITY CONDITIONS**

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Bidder shall have a minimum Net Worth ( the " Financial Capacity " ) of 15 % (Fifteen percent) of the Estimated Project Cost at the close of the preceding Financial Year.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

## 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/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 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 BuildtechPvt.Ltd`	ACC	
3	Ready Mix Concrete	ACC	Ultratech	J. K Cement
		Lafarge	L&T	NDCON
		NCL BuildtechPvt.Ltd`		
4	Reinforcement Steel (HYSD TMT-Fe 500D)	SAIL	Tata Steel	RINL
		Shyam steel	Jindal Panther	APL Apollo/SG Mart
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	
7	Waterproofing Self Adhesive (HDPE) membrane,Waterproofing Compound (Crystalline),EPDM Waterproofing Membrane	DBS	Fosroc	Berger
		Bulwork	Xchem	MYK
		Asian Paints Ltd.	MC bauchemie	Kerakoll
		BASF	MYK Laticrete	Kryton
		Mepei	Ecmas	ACO
		Saint Gobain (Chryso)	SIKA	MYK Arment
8	Polyster 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)	Mepei

9	Rebarring Chemical	Hilti	3M India	Birla
		Fischer		
10	Fire Sealant	Hilti	3M India	Birla
		Fischer	Siderise	
11	PU Elastomeric Membrane (spray applied for Deck 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	Ownscomring
		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 to IS16172:2014)	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	Fincrete	
25	AAC Mortar	Ferrouscrete	Ultratech	J. K Cement
		Kerakoll		
26	Moisture Resistant Board	Saint Gobain	Gyprox	USG Knauf
		Lloyd Insulation India Ltd	Anacon	Armstrong
		Merino	Aerolite	Duro
27	Veneered Particle Board	Merino	Duro	Greenlam
		Armstrong	Greenply	lux
		Virgo	Daya	Century
28	Laminated Particle Board	Merino	Greenlam	Century
		Virgo	Jayna	
		Strawcture eco		

44	Textured Exterior Paint	Akzonobel	Asian (Apex	Nerolac
		(Dulux)	Ultima)	(Excel)
		Berger	Acro	Panache
		JSW		
45	Synthetic Enamel Paint	Akzonobel(Dulux)	Asian (Apcolite)	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
55	Stainless Steel Hardware	Dorma	Hafele	Geze
		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

## 2. FALSE CEILING

	Composite Marble / Granite / Engineered Stone	AGL		
10	Water Based Melamine Polish	Asian Paint	Berger	ICI Dulux
	Building Signage	Hindustan Signage	Eaton	Ergomax workspace
11		AYZO	PR Graphics	Prolite
		Galaxy Signage	VVT	3M
12	Epoxy Based Flooring	Durapro	Flowcrete	Asian Paint
		Berger	<b>tremco</b>	
<b>4. GLAZINGS</b>				
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
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
<b>5. HARDWARE</b>				
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 pairof 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 steelgrade SS304	Dorma	Godrej	Hafele
		taiton	Ozone	Hettich
		Becker		
9	SSTower bolt	Dorma	Godrej	Taiton
		Ozone	Hafele	becker
10	SS Butt hinges with ballbearing grade SS304	Dorma	Godrej	Ingersoll Rand
		Koncept Steel Pvt. Ltd.	Becker	Ozone
11	Stainless Steel Sliding Door bolts	Becker	taiton	Godrej
		Hettich	Ozone	
12	Pull handle back to backof length150mm of Steel Grade SS 304/316	Taiton	Geze	Ozone
		Godrej	Dorma	Becker
13	Pull handle, single side of length 150mm ofSteel 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 304finish/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		
<b>6. HVAC /VENTILATION SYSTEM</b>				
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	HotWater 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	SplitAC	Daikin	Hitachi	Toshiba
		Samsung	LLOYD	
9	M.S. Pipes:-Any dia	Tata	Jindal Hissar	Sail
		Apl Apollo	VPL india	
10	ButterflyValves	Advance	L&T	Danfoss
		VTM	Axim	
11	Motorized ButterflyValve	Belimo	Danfoss	Siemens
		Oventrop		
12	Pressure independent control valve (PICV)	Belimo	Danfoss	Siemens
		Oventrop		
13	CheckValves	Advance	L&T	Danfoss
		VTM	Axim	
14	Ball valve	Zoloto	Audco	RC
		VTM	Axim	
15	BalancingValves	Danfoss	Advance	Axin
		VTM		
16	2-way Modulating Valves with Thermostat	Belimo	Honeywell	Siemens
17	2-way on off valve with thermostat forFCU	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(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	Ecduct	Ductro
41	Filters (in Air- conditioning system)	Thermodyne	Purolator	Fanair
41	Ventilation Fans	Mackmark		
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	AirWasher/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	SoundAttenuator	Ruskin	Systemair	Trox
		Fanair	Flaktwood	
56	CO Sensor	Siemens	Omicron	Johnson
57	VFD	Danfoss	ABB	Siemens
		Fuji		
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	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	ChilledWater 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
<b>7. PLUMBING &amp; SANITARY</b>				
1	Sanitary Fittings & Accessories	Parryware(Roca)	Kohler	Cera
		Euronics	H&R johnson	Simpolo
		Jaquar	RAK	toto
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	CPBrass 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 Apolo		
11	DI Fittings	Kartar	Electrosteel	Kalinga
12	CI Fittings	Neel	Kartar	Electrosteel
13	FloatValve	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 MetalValves, Globes	Sant	Castle	Zoloto
25	NRV- Ball type - Sewage application	Danfoss	ZALOTOAUDCO	
26	BellowType, PressureReducingValve	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 ReturnValve(Check valve) 1/2" to11/4"	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