

CHIEF PROJECT MANAGER (GATISHAKTI),

OFFICE OF DRM,

SAMASTIPUR, BIHAR.

SECTION 1

INTRODUCTION

1.1 Background

1.1.1 The President of India represented by the office of the, Chief Project Manager (Gatishakti), having its principal office at Office of DRM, Samastipur, Bihar and 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 Railway station at Darbhanga (the “Project”)** through Engineering, Procurement and Construction (the “EPC”) contract and has decided to carry out an open and competitive e-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):

Sl.No.	Particular	Details
1.	Name of the Work	Major Upgradation of Darbhanga Railway station of Samastipur division of East Central railway on Engineering, Procurement and Construction (EPC) mode.
2.	Estimated Project Cost	INR 314,26,18,274/- (Rupees Three hundred Fourteen Crores Twenty-Six Lakhs Eighteen Thousand Two hundred Seventy-Four only)
3.	Construction Period	36 months
4.	Bid Due Date and time	By 15:00 hrs on 26.12.2023
5.	Physical submission of all documents listed in clause No. 2.11.2	Bid due date + 5 working days
6.	Date and Time of Opening of Bids	By 15:00 hrs on 31.12.2023
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. 1,00,00,000/- (One crore only)
12.	Officer and Address to Submit the physical documents as	CHIEF PROJECT MANAGER (GATISHAKTI), OFFICE OF DRM,

	per clause 2.11.4 of RFP	SAMASTIPUR, BIHAR.		
13.	Validity of the Bid	120 days from the Bid Due Date		
14.	Pre-bid Conference Details	Date	Time	Venue
		23.11.2023	11.00 to 14.00 Hrs.	Samastipur
15.	Last date of receiving Queries	30.11.2023 upto 18:00 hrs		
16.	Reply of queries, if required	7.12.2023 upto 18:00 hrs		
17.	Performance Security	5% (Five percent) of Contract Price in terms of Clause 2.21.1		
18.	Submission of Performance Security	Within 30 days of issue of Letter of Award (LOA)		
19.	Signing of Agreement	Within 30 days of submission of Performance Security.		
20.	Documents enclosed with the RFP	a) Draft EPC Agreement for the Project including all schedules. b) Design Basis Report of the Project c) Drawings d) Soil exploration report		
21.	Technical Consultant of the Project	M/s ARINEM Consultancy Services Pvt Ltd, New Delhi		

Note-In the event that the Project Completion Date occurs prior to the Scheduled Completion Date, the Contractor shall be entitled to receive a payment of bonus equivalent to 0.03% (zero point zero three per cent) of the Contract Price for each day by which the Project Completion Date precedes the Scheduled Completion Date, but subject to a maximum of 5% (five per cent) of the Contract Price. Provided, however, that the payment of bonus, if any, shall be made only after the issue of the Completion Certificate. For the avoidance of doubt, the Parties agree that for the purpose of determining the bonus payable hereunder, the Contract Price shall always be deemed to be the amount specified in Clause 17.1.1, and shall exclude any revision thereof for any reason.

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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/manufacture. The materials of any other brand/manufacture 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.N	DESCRIPTION/ ITEM	Approved Makes / Brands		
1	Ordinary Portland Cement / Pozzolona Cement	ACC	Ultratech	J. K Cement
		JSW	Birla Cement	Ambuja 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	Mepei
		Asian Paints Ltd.	SIKA	DBS
		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
8	Polyster Powder Coating Paints Repellent/Admixtures / Water Proofing compound/ Liquid membrane /Self adhesive	Nerolac	Berger	JSW
		Kerakoll	Asian Paints Ltd.	MC bauchemie
		Roff	Saint Gobain (Chryso)	Mepei

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	membrane/other water proofing			
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	Ownscorning
		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	Sunlight
		Lexan	Bayers	
18	Decking Steel Sheet	TATA Steel	Bemo	JSW
		APL Apollo	SAIL	
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
25	AAC Mortar	Ultratech	Finecrete	
		Ferrouscrete	Ultratech	J. K Cement
26	Moisture Resistant Board	Kerakoll		
		Saint Gobain	Gyprox	USG Knauf
27	Veneered Particle Board	Lloyd Insulation India Ltd	Anacon	Armstrong
		Merino	Aerolite	Duro
		Merino	Duro	Greenlam
		Armstrong	Greenply	lux
28	Laminated Particle Board	Virgo	Daya	Century
		Merino	Greenlam	Century
		Action Tesa	Luxe	Duro
		Daya	Virgo	Sunmica

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		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
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	Bemo
		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,
60	Polycarbonate sheets and Gs sheets	JSW	KALZIP	BEMO
		Tata BlueScope	DPI-Daylighting	Coxwell
61	GI Profile Sheet	Tiger		
		Tata	Lloyd	JSW
		Jindal Essar	APL Apollo	Bemo
2. FALSE CEILING				
1	False Ceiling – Gypsum	Aerolite	India Gypsum	Boral Lafarge
		Armstrong	USG knauf	Western
2	False Ceiling – Metal	Hi Steel	Anakon	Durlum
		USG knauf	Hunter Douglas	HARsonsGreen
3	Gyp Board	Saint Gobain	USG knauf/Armstromg	Lafarge

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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	
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.
		Prominance		
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	India metal

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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	
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	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
		Omicron		
22	Thermostat	Danfoss	Belimo	Honeywell
		Siemens	Omicron	
23		Feibig	H. Guru	Emerald

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	Pressure Gauge(IndustrialType	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		
31	MS. Sheets	Hindalco	Balco	NALCO
		APL Apollo		
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) Ventilation Fans	Thermodyne	Purolator	Fanair
		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		

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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	Tosiba	Samsung
		Mitsubishi Electric	Midea	
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
7. PLUMBING & SANITARY				
1	Sanitary Fittings & Accessories	Parryware(Roca)	Kohler	Cera
		Euronics	H&R johnson	Simpolo
		Jaquar	RAK	toto
2	Concealed cistern	Hindware	Kohler	Jaquar
3	WC connector	Geberit	Euronics	toto
		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	
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

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		Electrosteel	Jindal	Tata Ductura
10	DI Pipes	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	Prince
		Prince	Vectus	APL Apollo
15	PVC Pipe & Fittings	AKG	Supreme	Finolex
		SFMC	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	
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
		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	Polyethylene water storage tank	Sintex	Polycon	SPL
		Vectus		
33	Insulation hot water pipes	Kaiflex	Armaflex	Careflex
		Lloyd		
34		Kaiflex	Armaflex	Careflex