

INTRODUCTION

1.1 Background

1.1.1 The President of India represented by the CPM/GSU/JBP, West Central Railway (the “Authority”), having its principal office at the Jabalpur. M. P. -482001, 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 Upgradation of Satna Railway Station at Satna (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):

S No.	Particular	Details
1.	Name of the Work	Major Upgradation of Satna Railway Station at Satna, on Engineering, Procurement and Construction (EPC) mode.
2.	Estimated Project Cost	INR [255,12,13,012.00 (Rupees Two Hundred Fifty Five Crore ,Twelve lakh, Thirteen Thousand and Twelve Only)]
3.	Construction Period	24 months
4.	Bid Due Date and time	By 15.30 Hrs (IST) on 26.01.2024
5.	Physical Submission of all documents listed in clause no. 2.11.2	By Bid Due Date + 5 days By 15.30 Hrs (IST) on 01.02.2024
6.	Date and Time of Opening of Bid	At 16.00 Hrs (IST) on 01.02.2024
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/EMD	Rs. 1,28,00,000.00 (Rupees One Crore Twenty Eight Lakh only)
12.	Bank Account Details of the Authority	Name of Beneficiary: Sr DFM/Jabalpur Acc No. 36903591229 IFSC code:- SBIN0000390 Bank Name:- SBI
13.	Officer and Address to Submit the physical documents as per clause 2.11.4 of RFP	Name of Officer: Mr. S. K. Singh Designation: CPM/GSU/JBP, West Central Railway Address: “office of the CPM/Gati Shakti, RE Building, Jabalpur. M. P. -482001,

		India Phone: 7723017101 E-mail: cpmgsujbp@gmail.com
14.	Validity of the Bid	120 days from the Bid Due Date
15.	Pre-bid Conference Details	Date: 02.01.2024 Time: 11:00 hrs Venue: Office of the CPM/Gati Shakti, RE Building, Jabalpur. M. P. -482001
16.	Last date of receiving Queries	07.01.2024
17.	Uploading Replies to Queries if required	11.01.2024
18.	Performance Security	5% of Contract Price in terms of Clause 2.21.1
19.	Submission of Performance Security	Within 30 days of issue of Letter of Award (LOA)
20.	Signing of Agreement	Within 15 days of submission of Performance Security.
21.	Documents enclosed with the RFP	a) EPC RFP (Volume: I) b) EPC Agreement (Volume: II-a) c) EPC Schedule A to P (Volume: II-b) d) EPC Schedule DA, DB, DC e) Report on OHE connection f) Soil Test/Geotechnical Investigation g) Detail Project Report (DPR) h) Drawings i) Arup document
22.	Consultant engaged by Authority for this Project	EDMAC Engineering Consultant (India) Pvt. Ltd., G-1/ L.G.F., South Extension-II, New Delhi-110049, India Tel: 011- 46078600, Mobile: 09911089278 Fax: 011- 46078666, E-mail: infodel@edmacconsulting.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.

APPROVED MAKES/ BRANDS

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

All the urinals, taps shall be sensor based.

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.

1. CIVIL & STRUCTURAL				
Sl. No.	Material	Approved Makes / Brands		
1.	Ordinary Portland Cement / Portland Pozzolona Cement	ACC	Ultratech	J. K Cement
		Birla Cement	Ambuja / Prism	India Cement
2.	White Cement	Birla White	J.K. White	Lafarge, ACC
3.	Ready Mix Concrete	ACC Company	Ultratech	JK Cement
		Lafarge Company	L&T	
4.	Reinforcement Steel (HYSD TMT-Fe 500)	SAIL	Tata Steel	RINL
		JSW Steel Ltd	Electro steel	Vizag
		JSPL	Shyam Steel	
5.	Structural Steel / M.S. Tubes (Pre Galvanized)	TATA	JSW Steel Ltd	SAIL
		Jindal Steel & Power Ltd	Rashtriya Ispat Nigam Ltd	Vizag
		APL Apollo		
6.	Plasticizer, Super Plasticizer, Admixtures, Other construction chemicals	M.C. Bauchemie	Fosroc	Pidilite
		CICO	Sika	Reynoarch
		Asian Laboratories	Ultracon	
		Berger	MYK Arment	
7.	Waterproofing Compound (Crystalline)	BASF	Sika	Penetron
		Fosroc	Kryton	Fire Stone
		Pidilite	Carlisle	Kryton, Berger

6. HVAC / VENTILATION SYSTEM				
S. No.	Material	Approved Makes / Brands		
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 & TFA:			
5a.	Air Handling Units (Eurovent certified)	VTS	System Air	Stulz
		Flaktwood	Edgetech	Zeco
5b.	Cooling Coil	As per manufacture standard of AHU		
5c.	Fan	Kruger / Comferi	Airflow	Nikotra
		Rallison		
6	Fan Coil Unit & Cassette Unit	Sinko	Carryaire	Trane
		Rallison		
7	Split AC	Daikin	Hitachi	Toshiba
		Carrier		
8	M.S. Pipes: - Any dia	Tata	Jindal Hissar	Sail, APL Apollo
9	Butterfly Valves	Advance	L&T	Danfoss
		VTM	Axim	Castle
10	Motorized Butterfly Valve	Belimo	Danfoss	Siemens
		Oventrop	Advance	Castle
11	Pressure independent control valve (PICV)	Belimo	Danfoss	Siemens
		Oventrop	Advance	Castle
12	Check Valves	Advance	L&T	Danfoss
		VTM	Axim	Castle
13	Ball valve	Zoloto	Audco	RC
		VTM	Axin	Castle

27	Air Separator	Anergy	Emerald	Sandhu
28	Auto Air Vent	Anergy	Rapid Cool	Oventrop
29	Plug Valve	Anergy	Rapid Cool	Castle
30	G.I. Sheets	Sail	Tata	Jindal, APL Apollo
31	MS. Sheets	Hindalco	Balco	NALCO
32	Fire Dampers	Systemair	Caryaire	Ruskin
		Greenheck		
33	Damper Actuator	Belimo	Sinider	Sinider
34	Grills/Diffusers	Systemair	Caryaire	Titus
		Trox		
35	Fresh Air Louvers	Systemair	Caryaire	Titus
		Trox		
36	Resinbonded Glass Wool Insulation	UP TWIGA	Owens Corning	Kimmco
		K-flex		
37	Protective Coating over insulation (Lag coating)	Pidilite	Foster	Idendan
		CISBOND		
38	Resinbonded Glass Wool Acoustic Insulation	UP TWIGA	Owens Corning	Kimmco
		K-flex		
39	Insulation Adhesive	Pidilite	Foster	CISBOND
		Henkel		
40	Factory Made ducting	Rolastar	Ductofab	Zeco
		Technofab	Ecoduct	
41	Filters (in Air-conditioning system) Ventilation Fans:	Thermodyne	Purolator	Anfilco
		Mackmark		
42	Tube/Vane Axial	Kruger	System Air	Greenheck
43	Inline (Centrifugal)	Kruger	System Air	Caryaire
		Ostberg		
44	Propellr Fans	Kruger	GE	Crompton
		Rallison		

45	Air Washer/Scrubber	Edgetech	Zeco	System Air
		VTS	Crystal Air	
46	Fan	Kruger	Nikotra	Comferi
		Rallison		
47	Pump	Kirloskar	Beacon	Wilo
48	Filters	As per manufacturer's standard		
49	Heat Recovery Wheel units	DRI	Enventus (Ostberg)	Flakt
50	Heat Pipe	HPT	SPC	VTS
51	Vibration Isolator	Easyflex	Resistoflex	Dunlop
52	Anchor/Fastener	Hilti	Fisher	Gripple
		Rawlplug	Pyrotech	
53	Duct Support	GPL	Gripple	Easyflex Zip-Clip
54	PUF Saddles	Lloyds	Beardse II	Malanpur
55	FCU link	ATS (CSI)	Oventrop	CIM
56	Sound Attenuator	Ruskin	Systemair	Trox
57	CO Sensor	Siemens	Omicron	Johnson
58	VFD	Danfoss	ABB	Siemens
		Fuji		
59	CO2 Sensor	Siemens	Omicron	Johnson
	Demand Ventilation System			
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	APL Apollo	

64	UVCI	Universal UV Solutions	UVTronix	Supco
65	Online Scale preventer	Scale Guard	Ristello	Supremo
66	Electronic Air Filtration System	Honeywell	Trion	Trane
67	VRF/VRV Syatem	Daikin	Tosiba	Samsung
		Mitsubishi Electric	Midea	
68	Copper Refrigerant Pipe	Camipro	Rajco	Mandev
69	Chilled Water Hi-Wall & Cassette	Midea	Caryaire	Edgetech
70	AHU / FCU Motor	ABB	Cromption	Siemens
71	PACs	Stuluz	Emerson	Blue Box
72	Flexible Duct	UP Twiga	Caryaire	& Atco
73	Aluminium Sheet	Nalco	Hindalco	Balco
		Virgo		

7. PLUMBING & SANITARY				
S. No.	Material	Approved Makes / Brands		
1.	Sanitary Fittings & Accessories	Hindware	Kohler	Cera
		Jaquar	Somany	Roca, Grohe
	Conceled cistern	Hindware	Kohler	Roca
		Geberit	Cera	
	WC connector	Geberit	Kohler	Cera
	Auto Urinal Flush System	Cera	Kohler	Roca
Grohe				
2	CP Brass Fittings	Jaquar	Kohler	Parryware
		Hindware	Grohe	Cera
3	G.I. / M.S. Pipe	Tata	Jindal (Hissar)	Surya Prakash
		APL Apollo		
4	G I Fittings	Unik	KS	Zoloto

		R-Brand	Surya	
5	SS Pipes (316 Grade)	Jindal	Tata	VIGA
6	HDPE Pipes	Reliance	Jain Irrigation	Oriplast
		Vertex	West Well, APL	Supreme
		Vectus	Apollo	
7	DI Pipes	Electrosteel	Jindal	Tata Ductura
8	DI Fittings	Kartar	Electrosteel	Kalinga
9	CI Fittings	Neel	Kartar	Electrosteel
10	Float Valve	IVC	Leader	Zoloto
		KSB		
11	UPVC Pipe and Fittings	Astral	Supreme	Finolex
		Prince	AKG	Surya Roshni
		Vectus	PKS Export	APL Apollo
12	PVC Pipe & Fittings	AKG	Supreme	Finolex
		Surya Prakash	Vectus	APL Apollo
13	CPVC Pipes & Fittings	AKG	Astral	Supreme
		Finolex	Surya Prakash	Vectus
		SFMC	APL Apollo	
14	Centrifugally Cast (Spun) Iron Pipes & Fittings	NECO	SKF	Electrosteel
		Saint Gobain	BIC	
15	Centrifugally Cast (Spun) Iron (Class LA) Pipes	NECO	Electro Steel	TATA
		BIC		
16	Centrifugally Cast (Spun) Ductile Iron Pipes & Fittings	Electro Steel	Jindal (Hissar)	Kalinga
17	C.I. Manhole covers, Frames & GI Gratings	NECO	RIF	BIC
		SKF	Jain Spun Pipe Co.	
18	SFRC Manhole covers & gratings	KK	OCR	Pargati
		T-CON		
19	RCC manhole Covers & Frames	KK manhole	Grating Co. Pvt Ltd	
20	D.I. Manhole Covers & Frames	Neco,	ron Foundry Agra	Kartar
21	Gun Metal Valves, Globes	Kartar		

8. FIRE FIGHTING				
S. No.	Material	Approved Makes / Brands		
1	M. S Pipe	Tata	Jindal Hissar	Prakash Surya
		SAIL	APL Apollo	
2	G. I Pipes	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		Castle
7	Butterfly Valve	Zoloto	Kirloskar	Leader
		Audco		Castle
8	Motorized Butterfly Valve	Advance	AUDCO	L&T
		Zoloto		Castle
9	Balancing Valve	Advance	Utam& VTM	L&T, Castle
10	Non Return Valve	Advance	Utam& VTM	L&T, Castle
11	Y-Strainer	Emerald	AUDCO	kirloskar
		Zoloto		Castle
12	Pot Strainer	Rapidcool	Emerald	Sant
		AUDCO	Zoloto	Castle
13	Thermometer	Emerald	Anergy	Honeywell
14	PICB Valve	Danfoss	Frees	Ovenrop
		Spirotech	Reflex	
15	Control Valve	HD	Viking (VL Listed)	Castle
16	Airvent	Anergy	Siemens	Emerald
		CIM	Advance	Castle
		Honeywell		

2	Irrigation Products	Stitchwell Qualite x	Irrigation Products International	Jain Irrigation Systems
19. MISCELLANEOUS / OTHER WORKS				
S. No.	Material	Approved Makes / Brands		
1	Customized Cable tray for multi services, Lighting & LV wiring	BEC	Leeway Design	OBO Betterman
2	Optical Turnstiles	Boon Edam	Gunnebo	kaba
3	Central Vacuum System	Sistemair	Sachvac	Schonbach
4	Multi Purpose Poles	Keselec	Heper	Wipro
5	Garbage Chute system	Ecotech Chutes	Horizon Chutes	Hardal
6	Waste Compacter bins	Universal e cube	Big Belly Solar	Schonbach
7	Polyurethane Sealent	Choksey	Fosroc	Pidilite
8	Adhesive for Wood Work	Dunlop	Fevicol	Vamicol
		Pidilite		
9	Landscape Furniture	KK Manhole & Grating Co. Pvt. Ltd.	JSL Architecture Ltd	
10	Hdpe Grass Pavers & Hdpe Drain Board	Ovilite	Aceturf	Plydex
11	Ornate Pots (Removable Planters)	Smart Exteriors	Yuccabe	Raunaq Sales
12	Stone slabs – Marble & Granite	R.K.Marble	ArasiEmpexs	Mangla Group
		DBS		
13	Insulated Aluminium Panels	Luxalon	Qbiss	
14	Kids Play Equipment	Koochie	Kompam	
15	Terminal Blocks	Phoenix Contact	Wago	
16	Dustbin	Neelkamal	Supreme	
17	Steel Door Frames	APL Apollo	Jindal	Navair
18	Flap / Swing Barrier	Prama	Hikvision	Camay
19	Art Work - Sculptures	Kalanishtha Enterprises	Art View Studio	Us India Art & Culture Exchange
		Art Kommune		
20	Furniture's	SFMS Furniture Pvt. Ltd.	Geeken, Rockworth	Godrej, Spacewood office solution
		Featherlite	Herman Miller Geeken	Wipro