



Request for Proposal

for

DEVELOPMENT/ REDEVELOPMENT OF RAILWAY STATION

on

ENGINEERING, PROCUREMENT AND CONSTRUCTION (EPC)

(RFP No 12-CE-CN-ERS-2025-EPC)

Bid Document

**Volume I – Instructions to Bidders (ITB) and
Volume II- Draft EPC Agreement**

**(Chief Engineer (Construction), Southern Railway,
First Floor, GCDA Eastern Entry Tower,
Ernakulam Junction- 682016)**

Signature Not
Verified

Digitally signed by
Soumya S
Date: 2025.08.07
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Reason: I am PS-CRIS
Location: New Delhi

SECTION 1

INTRODUCTION

1.1 Background

1.1.1 The President of India represented by the Chief Engineer (Construction), Southern Railway, Ernakulam Jn (the “Authority”), having its principal office at First Floor, GCDA Eastern Entry Tower, Ernakulam Jn- 682016 is engaged in the development of Railways and related infrastructure, and as part of this endeavour, the Authority has decided to undertake the **Redevelopment of Chengannur Railway Station** at Ernakulam, Kerala (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):

SNo.	Particular	Details
1.	Name of the Work	Request for Proposal (RFP) for Redevelopment of Chengannur Station on Engineering, Procurement and Construction (EPC) mode.
2.	Estimated Project Cost	INR 89,50,33,386. (Rupees Eighty-nine crores fifty lakhs thirty three thousand three hundred and eighty six only only)
3.	Construction Period	Thirty two months
4.	Bid Due Date and time	By 15:00 hrs on 25.09.2025
5.	Physical submission of all documents listed in clause no. 2.11.2	By Bid Due Date + 5 working days By 15:00 Hrs on 03.10.2025
6.	Date and Time of Opening of Bid	At 15:30 Hrs (IST) on 03.10.2025
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 OR Bid Security Declaration ⁴	Rs 44,75,200/-. (Rupees forty four lakhs seventy five thousand and two hundred only)

⁴ Either of the two to be retained as per the provisions/orders related to submission of Bid Security OR Bid Security Declaration

AUTHORITY'S REQUIREMENTS
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. In addition, the approved brands /makes of materials approved and issued by CPWD may also be used with the Approval of the Authority.

All the urinals, taps shall be sensor based. 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 electrically operated sensor based.

Signal and Telecommunication items shall be procured from RDSO approved makes/brands. In case there is no RDSO approved make/Brand the same shall be procured from the following list of makes / Brands duly adhering RDSO specifications if any. Inspection charges shall be born by the EPC contractor.

1. CIVIL & STRUCTURAL				
Sl.No	Material	Approved Makes / Brands		
1.	Ordinary Portland Cement/ Portland Pozzolona Cement	ACC	Ultratech	J. K Cement
		Zuari Cement	Ambuja Cement	India Cement
		Dalmia		
2.	White Cement	Birla White	J.K. White	Lafarge
3	Plasticizer, Super Plasticizer, Admixs Tures etc	M.C. Bauchemie	Fosroc	Pidilite
		CICO	Sika	BASF
		MYK Arment	MAPEI	KYK Proset
		Asian Laboratories	Ultracon	Kryton
4	Reinforcement Steel (HYSD TMT-Fe 500)	SAIL	Tata Steel	RINL
		JSW Steel Ltd	Jindal Steel & Power Ltd	

5	Structural Steel / M.S. Tube	TATA	JSW Steel Ltd	SAIL
		Jindal Steel & Power Ltd	Rashtriya Ispat Nigam Ltd	APL Apollo
6	Plasticizer, Super plasticizer, Admixtures & Other construction chemicals	M.C. Bauchemie	Fosroc	Pidilite
		CICO	Sika	BASF
		MYK Arment	MAPEI	KYK Proset
		Asian Laboratories	Ultracon	Kryton, Cerachem
7	Waterproofing Compound (Crystalline)	BASF	Sika	Penetron
		Fosroc	Kryton	Fire Stone
		Pidilite	Carlisle, MYK Arment	MAPEI, Cerachem
8	Waterproofing Self Adhesive (HDPE) membrane	GRACE	Fosroc	Pidilite
		Kintop	Keshun	KYK Proset
		BASF	SIKA	Kryton
		MAPEI	MYK Arment	Cerachem
9	EPDM Waterproofing Membrane	Carlisle	Pidilite	STP
		Fire Stone	Polygamma	MYK Arment
10	PU Elastomeric Membrane (sprayapplied for Deck Waterproofing)	BASF	Fosroc	Sika
		Keshun	Pidilite	MAPEI, MYK Arment
11	Glasswo ol insulatio n	UP Twica	Poly Glass	Ownsorning
12	Rock Wool Insulation	Lloyds	Roxul Rockwool	Rock wool India Pvt Ltd
		Hayakawa		
13	Swellable Bar	Pidilite	Fosroc	Keshun
		MAPEI	MYK Arment	
14.	Polycarbonate Sheet	GE Plastic (SABIC)	Gallina	DPI Daylighting
		Danpal	Bayer	MYK Arment

15	Decking Steel Sheet	TATA Steel	Lloyds	JSW, APL Apollo
16	Shuttering Ply	Archid	Century	Merino
		Kitply	Sundawn, Total Ply	Ambika Plywood
17	Decking Steel Sheet	Kitply	APL Apollo	
18	Rebarring Chemical	Hilti	3M India	Birla
19	Fire Sealant	Hilti	3M India	Fischer
20	Parallel Threaded Couplers (Compliant to IS 16172:2014)	Dextra	Halfen Moment	G-Tech
21	Extruded Polystyrene Board	STP	Supreme	Ownes Corning, Shalimar
		Finecrete	Magicrete	
22	AAC Block	Aerocon	Builttech	Instablock
		Finecrete	JK	Renacon
23	AAC Mortar	Ferrouscurete	Ultratech	
24	Moisture Resistant Board	Saint Gobain	Gyprox	USG Boral
25	AAC Mortar	Greenlam	Duro	Merino
26	Veneered Particle Board	Merino	Duro	Greenlam
		Kitply	Archid	
27	Laminated Particle Board / Laminates	Merino	Greenlam	Century
		Archid	Duro	Novapan
28	Flush door / Laminated Flush Doors	Century	Green	Merino
		Archid	Duro	
29	Toilet Cubicles	Merino	Greenlam	T Line
		Dorma		

54	Formwork systems	Peri,	Doka,	Symons
	Aluminium shuttering	Maini	S-Form	Kumkang
55	Formwork systems	MFE Form Work		
56	Metal roofing system	MULTI-	LYSAGHT Flex-	APL Apollo
57	(Metal)	INFRATECH -Multi-Zip	lok of Tata Blue Scope	Lloyd
	Automatic Sliding Door	Dorma	Ozone	GEZE
58	Metal roofing system (Aluminum).	Kalzip	Kingspan	Oralum
		Hindalco	Everlast	Tata Roofing sheets
		APL Apollo		

2. FALSE CEILING

S.No.	Material	Approved Makes / Brands		
1	False Ceiling – Gypsum	Saint Gobain	India Gypsum	Boral Lafarge
		Armstrong		
2.	False Ceiling – Metal	Saint Gobain	Hunter Douglas	Armstrong
		. New age False ceiling Pvt. Ltd		
3.	Gyp Board	Saint Gobain	Boral	Lafarge
4.	Open Cell Ceiling	Armstrong	Durlum	SAS
		New age False ceiling Pvt. Ltd	Hunter Douglas	
5.	False Ceiling Grid System	Gyproc	Grid System	RK
		Gridline	Armstrong	Boral Lafarge

7.	Hermitically Sealed performance glass Toughened Glass	Saint Gobain	Guardian Glass	Pilkington
		Modiguard		
8.	Fire Rated Vision Panels	Pilkington	Schott	Ferilite
		Saint Gobain	Glaverbel	
9.	Ceramic panel Cladding	Hunter Douglas	Neolith	Terreal
10.	Aluminum Louvers	Hunter Douglas	Kawneer	Colt
11.	Aluminium Composite Panels	Reynobond	Alucobond	Alpolic
		Aludecor	Viva	
12.	G.I. Steel Door Frame	Synergy Thrislington	Navair, APL, Apollo	Shakti
13.	Friction Stay Hinges	Dorma	LG Sysmac	Dorset
14.	EPDM Gasket	Hanu	Anand	Osaka / Alps
15.	Glass Processor for making DGU / Toughing	Art N Glass	GSC (Noida)	Sejal
		ASAHI	Gold Plus	Kaenat Glass
16.	Mirror Glass	Atul	Modi Guard	Saint Gobain
		Glalverbel	AIS	
17.	UPVC Doors & Windows	Fenesta	Wintech	Aluplast
		Windowmagic	Rajshri	
18.	Poly Sulphine Sealant	Wacker	Dow Corning	GE
19.	Silicone / Weather Sealant	Wacker	Dow Corning	GE

5. HARDWARE

S. No.	Material	Approved Makes / Brands		
1	Nuts / Bolts / Fastners / Screws	GKW	Atul	Hilti
		Rawlplug		
2.	Door/Window Fittings	Godrej	Everite	Doorset
		Hardwyn		

7. PLUMBING & SANITARY				
S. No.	Material	Approved Makes / Brands		
1.	Sanitary Fittings & Accessories	Hindware (Italian collection)	Kohler	Cera
		Jaguar	Somany,Roca	Krovit
		Grohe		
	Concealed cistern	Hindware	Kohler	Roca
		Geberit	Jaguar	
	WC connector	Geberit	Kohler	Viega
	Auto Urinal Flush System	Duravit	Kohler	Roca
		Grohe		
2	CP Brass Fittings	Jaguar	Kohler	Parryware
		Hindware	Grohe	
3	G.I. / M.S. Pipe	Tata, APL Apollo	Jindal (Hissar)	Surya Prakash
4	G.I. Fittings	Unik	KS	Zoloto
		R-Brand	Surya	
5	SS Pipes	Jindal	Tata, APL Apollo	VIGA
6	HDPE Pipes	Reliance	Jain Irrigation	Oriplast
		Vertex	West Well, APL Apollo	Supreme
		Vectus		
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	

47	Adhesives	Nuwood	Duratuff	Pidilite
48	PE-AL-PE	Kitec	Jindal	Supreme
49	Solar Water Heating System	Tata BP	Honey Well	Solar
50	Water Heater (Geyser)	Venus	Bajaj Spherhot	Photon
		Racold	Havells	

S. No.	Material	Approved Makes / Brands		
51	Hand Drier	Euronics	Duravit	Grohe Kohler
52	Backflow preventer (Water Hammer)	Normex	Kessel	Lahri
53	Drinking Water Cooler	Blue Star, Usha	Voltas	Oasis
54	Anti-Vibration Mounting & Flexible connections	Resistoflex	Dunlop	Flexionics
55	Electronic Flow Meter	Blue Star	Usha	Voltas
56	Temperature Sensor/ Gauge	Forbes Marshall	Danfoss	Wika

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	APL Apollo	