

**CORPORATE OFFICE-S AND T/DFC CORPORATE OFFICE
TENDER DOCUMENT**

Tender No: ST-EC-Kavach-BRKN-SEBN

Closing Date/Time: 26/05/2025 15:00

GGM/S and T/EC-I acting for and on behalf of The President of India invites E-Tenders against Tender No **ST-EC-Kavach-BRKN-SEBN** Closing Date/Time 26/05/2025 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

Name of Work	Survey, Design, Supply, Installation, Testing and Commissioning of KAVACH (Train Collision Avoidance System), Towers and other Associated works in Double Line Automatic Signalling Section New Boraki-New Khurja Jn-New Bhaupur-New Unchdih-New Sonnagar (931 Km approx.) of Eastern Dedicated Freight Corridor of DFCCIL		
Bidding type	EPC [Single Stage]		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	26/05/2025 15:00	Date Time Of Uploading Tender	16/04/2025 18:56
Pre-Bid Conference Required	Yes	Pre-Bid Conference Date Time	01/05/2025 11:00
2nd Pre-Bid Conference Required	No	2nd Pre-Bid Conference Date Time	Not Applicable
Advertised Value	1653426939.00	Tendering Section	S AND T
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	8267200.00	Validity of Offer (Days)	180
Tender Doc. Cost (Rs.)	0.00	Period of Completion	730 Days
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	12/05/2025		
Are JV allowed to bid	Yes	Number of JV Member Allowed	4
Are Consortium allowed to bid	Yes	Number of Consortium Member Allowed	4
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)
Docs. Receipt Confirmation	Required		

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule (EPC) G-Project Lumpsum							1653426939.00	Rs.
1	Lump Sum				1653426939.00	AT Par	1653426939.00	
	Description :- Survey, Design, Supply, Installation, Testing and Commissioning of KAVACH (Train Collision Avoidance System), Towers and other Associated works in Double Line Automatic Signalling Section New Boraki-New Khurja Jn-New Bhaupur-New Unchdih-New Sonnagar (931 Km approx.) of Eastern Dedicated Freight Corridor of DFCCIL							

3. ITEM BREAKUP

No item break up added

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	Please refer Para 2.2.2 of RFP: "Eligibility & Qualification requirements of Bidder" for the financial eligibility criteria / financial capacity.	No	No	Allowed (Mandatory)

Special Technical Criteria

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer Para 2.2.2 of RFP: "Eligibility & Qualification requirements of Bidder" for the technical eligibility criteria/ Technical Capacity.	No	No	Allowed (Mandatory)

5. COMPLIANCE

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

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer Appendix-X of RFP for details.	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Not Allowed

Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Allowed (Mandatory)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Not Allowed

Physical Docs Mandatory Submission

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please refer RFP for details.	No	No	Allowed (Mandatory)

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.	No	No	Allowed (Mandatory)

6. Documents attached with tender

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S.No.	Document Name	Document Description
1	1.SIPBRKNSTN_11zon.pdf	New Boraki station SIP
2	1A.SIPBRKN-KRJNBS_11zon4.pdf	New Boraki New Khurja BS SIP
3	2.SIPKRJNSTN_1.pdf	NEW KHURJA STATION SIP
4	2A.SIPKRJN-DAQNBS_11zon.pdf	NEW KHURJA NEW DAUDKHAN BS
5	3.SIPDAQNSTN.pdf	NEW DAUDKHAN JN SIP
6	3A.SIPDAQN-NHRSBS.pdf	New Daudkhan New Hathras BS SIP
7	4.SIPNHRSSTN.pdf	New Hathras SIP
8	4A.SIPNHRS-TDLNBS_11zon.pdf	New Hathras New Tundla Jn BS SIP
9	5.SIPTDLN_11zon.pdf	New Tundla Jn sip
10	5A.SIPTDLN-MNRNBS.pdf	New Tundla Jn New Makhanpur BS SIP
11	6.SIPMNRN_11zon.pdf	New Makhanpur SIP
12	6.ASIPMNRN-BDNNBS_11zon.pdf	New Makhanpur New Bhadan BS SIP
13	7.SIPBDNN_11zon.pdf	New Bhadan SIP
14	7.ASIPBDNN-EKLNBS.pdf	New Bhadan New Ekdil BS SIP
15	8.SIPEKLN_11zon.pdf	New Ekdil SIP
16	8A.SIPEKLN-ULDNBS.pdf	New Ekdil New Achalda BS SIP
17	9.SIPULDN_11zon.pdf	New Achalda SIP
18	9A.SIPULDN-KNSDBS.pdf	New Achalda New kanchausi BS SIP
19	10.SIPKNSD-converted.pdf	New kanchausi SIP
20	10A.SIPKNSD-BPUNBS-converted.pdf	New kanchausi New Bhaupur Jn BS SIP
21	11.SIPBPUN_11zon.pdf	New Bhaupur Jn SIP
22	11A.SIPBPUN-BZMNBS.pdf	New Bhaupur Jn New Bhimsen BS SIP
23	12.SIPBZMNSTN.pdf	New Bhimsen Jn SIP

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24	12A.SIPBZMN-CNBNBS.pdf	New Bhimsen New Kanpur Jn BS SIP
25	13.SIPC�BNSTN.pdf	New Kanpur Jn SIP
26	13A.SIPC�BN-MWHNBS.pdf	New Kanpur Jn New Malwan BS SIP
27	14.SIPMWHN-converted.pdf	New Malwan SIP
28	14A.SIPMWHN-RUBNBS-converted.pdf	New Malwan New Rasulabad BS SIP
29	15.SIPRUBN-converted.pdf	New Rasulabad SIP
30	15A.SIPRUBN-SJTNBS-converted.pdf	New Rasulabad New Shujatpur BS SIP
31	16.SIPSJTN-converted.pdf	New Shujatpur SIP
32	16A.SIPSJTN-MRENBS-converted.pdf	New Shujatpur New Manaur BS SIPi
33	17.SIPMREN-converted.pdf	New Manauri SIP
34	17A.SIPMREN-KCNNBS_11zon.pdf	New Manauri New Karchana Jn BS SIP
35	18.SIPKCNN.pdf	New Karchana Jn SIP
36	18A.SIPKCNN-UNDNBS.pdf	New Karchana Jn New Unchdih BS SIP
37	19.SIPUNDN.pdf	New Unchdih SIP
38	19A.SIPUNDN-MZPNBS.pdf	New Unchdih New Mirzapur BS SIP
39	20SIPMZPN.pdf	New Mirzapur SIP
40	20A.SIPMZPN-DAPNBS-converted.pdf	New Mirzapur New Dagmagpur BS SIP
41	21.SIPDAPN.pdf	New Dagmagpur SIP
42	21A.SIPDAPN-ARWNBS.pdf	New Dagmagpur New Ahraura Road BS S
43	22.SIPARWN.pdf	New Ahraura Road Jn SIP
44	22A.SIPARWN-DDUNBS_11zon.pdf	New Ahraura Road Jn DDUN BS SIP
45	23.SIPDDUN.pdf	New Pt DD Upadhyaya Jn SIP
46	23A.SIPDDUN-GAQNBS.pdf	DDU Jn New GAQN BS SIP

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47	24.SIPGAQN_11zon.pdf	New Ganjkhwaja Jn SIP
48	24A.SIPGAQN-DGONBS_11zon.pdf	New Ganjkhwaja New Durgauti BS SIP
49	25.SIPDGON_11zon.pdf	New Durgauti SIP
50	25A.SIPDGON-KTQNBSincludedKTQNYARD.pdf	New Durgauti New Kudra BS SIP
51	26A.SIPKTQN-KWDNBSincludedKTQNYard.pdf	New Kudra and KTQN KWDN BS SIP
52	27.SIPKWDN_11zon.pdf	New Karwandiya SIP
53	27A.SIPKWDN-SEBLBS.pdf	New Karwandiya New Sonnagar Link BS
54	28.SIPSEBL_11zon1.pdf	New Sonnagar Link SIP
55	28A.SIPKWDN-SEBNBS-compressed.pdf	New Karwandiya New Sonnagar Jn BS
56	29.SIPSEBNIncludedSEBN-CPBNBS.pdf	New SEBN and SEBN CPBN BS SIP
57	30.SIPCPBN-compressed1.pdf	New Chirailapathu Jn SIP
58	GraidentCruveSEBL-BRKN_11zon_1.pdf	Gradient and Curve SEBL BRKN
59	RDSO180k6.5NCFoundation_Drawing_with_Water_Table_1_1.pdf	Foundation Drawing with WaterTable1
60	RDSO180k6.5NCFoundation_Drawing_without_Water_Table_2.pdf	Foundation Drawing with WaterTable2
61	RDSO180k6.5NCTower_Drawing_c_1.pdf	Lattice Tower Drawing
62	RDSO180k6.5NCGAD_1.pdf	Tower GAD design
63	PMCS-EDFC2-LTT-2021-09102-DD-OFCSysytem-SDHFAMPart-Bpdf1_1.pdf	OFC System SDH FAM Part B pdf 1
64	PMCS-EDFC2-LTT-2021-09102-DD-OFCSysytem-SDHFAMPart-Bpdf2.pdf	OFC System SDH FAM Part B pdf 2
65	OFCDetailsCP-10411.pdf	OFC Details CP 104
66	OFC-DD-CP104_11zon1.pdf	OFC DD CP 104
67	SDH-network-NMS-view-CP-104-OFC2.pdf	SDH network NMS
68	InstallationDesignDocumentIDDforOFCSysytem.PART1.pdf	IDD for OFC System PART 1
69	InstallationDesignDocumentIDDforOFCSysytem.PART2.pdf	IDD for OFC System PART 2

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70	SDHnetworkNetworkDiagramDDUUnit_1.pdf	SDH Network Diagram DDU Unit
71	Design-OFCSystemRev-02xDaderi-KhurjaSection.pdf	Design OFC System Daderi Khurja
72	1.FunctionalRequirementsSpecificationofKAVACHRDSO-SPN-196-2020version4-0dt11.04.2022-compressed.pdf	Functional Requirement Specificatio
73	Systemrequiremntspecificationamd3version4.007.06.2024.pdf	System requiremnt specification
74	Annexure-A1-ModeTransitionSOSandMAhandlingAmdt-6version4.016-07-2024FinalSigned.pdf	Mode Transition SOS and MA
75	Annexure-A2-SpecificationofKavachTheIndianRailwayATP-OnboardKAVACHConfigurableParametersversion4.0Amdt-316_07_2024Finalaftersigned.pdf	Onboard KAVACH Configurable
76	Annexure-A3-SpecificationofKavachTheIndianRailwayATP-StationaryKAVACHConfigurableParametersAmdt-3version-4.016_07_2024FinalSigned.pdf	Stationary KAVACH Configurable
77	Annexure-B-LP-OCIPDisplayRequirement-Amdt-3version-4.0FinalSigneddt11.07.2024.pdf	LP OCIP Display Requirement
78	Annexure-C-SpecificationofKavachTheIndianRailwayATP-version4.0MultipleAccessSchemeProtocolwithAmendment-1027-06-2024--compressed.pdf	Kavach Multiple Access Scheme
79	Annexure-DTagDataFormal-Amdt-71version-4.0date07.06.2024.pdf	Kavach Tag Data Formal
80	ANNEXURE-E1SPECIFICATIONOFKAVACHTHEINDIANRAILWAYATP-UHFRADIOMODEMREQUIREMENTSsignedversion-4.0dt27.06.2024.pdf	UHF RADIO MODEM REQUIREMENTS
81	AnnexureF-SpecificationofKavachTheIndianRailwayATP-RFIDTagandFixingArrangementGuidelinesAmdt-1version-4.0Signed27.06.2024.pdf	RFID Tag and Fixing Arrangement
82	Annexure-G-SpecificationofKavachTheIndianRailwayATP-NetworkMonitoringSystemProtocol-Amdt-4vesion-4.016_07_2024FinalSigned.pdf	Network Monitoring System Protocol
83	Annexure-H-KAVACHRFIDTag-TINLayoutguidelinesAdmt-5version-4.0date07.06.2024.pdf	RFID Tag TIN Layout guidelines
84	FinalAnnexure_I_KAVACH_TOCAmdt-6vesion-4.0date07.06.2024.pdf	Control Table Guidelines
85	AnnexureJ-SpecificationofKAVACHTheIndianRailwayATP-RemoteInterfaceUnit2.pdf	Remote Interface Unit
86	Annexure-P-SpecificationofKavachTheIndianRailwayATP-S-KAVACH-S-KAVACHInterfaceRequirementsAmdt-4version4.0date27.06.2024Signed.pdf	Interface Requirements
87	AnnexureQamd1FinalSignedversion-4.0date16.07.2024.pdf	SM Operation and Indication
88	DMIFunctionalTestFormat-SIF0522Version1.4dt24_12_2024.pdf	DMI Functional Test Format
89	FinalFATTestingProcedureVer1_2Dated27-01-2025.pdf	Final FAT Testing Procedure
90	TCASSATSiteAcceptanceTestingFormatFormatversion2.0date-21_12_2021.pdf	TCAS SAT Site Acceptance Testing
91	2025-01-28-InteroperabilityTestFormatforVersion4date28.01.2025.pdf	Interoperability Test Format
92	FunctionaltestcasesofEventloggerSIF-0595version1_0date11.09.2024.pdf	Functional test cases of Event Data

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93	08_11_2024-TemplateCommonAcceptanceTestFormatforKAVACHVersion4_0date08.11.2024.pdf	Acceptance Test Format for KAVACH
94	08_11_2024-TemplateCommonTypetestFormatforKAVACHVersion4_0date08.11.2024.pdf	Type test Format for KAVACH
95	2025-01-15-TestformatRadioMODEMversion1.0dated15_01_2025.pdf	Test format OF UHF Radio MODEM
96	25-02-11-KAVACH-SystemLeveltestformatSIF533ver4_20-FRS-version4.0Final-10-02-2025-compressed.pdf	FUNCTIONAL LEVEL TEST
97	FeasibilityReport_16.04.2025_final.pdf	Feasibility Report
98	RFPDocument_Kavach_16.04.2025upload_final.pdf	RFP Document
99	EPCdocument16.04.2025_upload.pdf	EPC Document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: ROSELIN SAHOO

Designation : JGM/S and T/EC