

Request for Expression of Interest (REOI) For 5G Private Network Setup in 5G Use Cases Lab at IDRBT, Hyderabad - Tender No. IDRBT/5G/AKT/108/2022 – 2023 dated 25th July

IDRBT Clarifications to the queries submitted by Participants.

Sr.No	Page No	Clause No.	Clause Description	Clarification	IDRBT Clarification
1			1. Section 3, Scope of work: mentions three different Setups, so we may propose same or different solutions stacks for all these three setups based on mentioned requirements?		Either way is fine
2			2. Section 3, Scope of work: Setup A mentions two distinct solutions for interop, each with (at least one to be 4G /NSA)	Is there a need for two different deployments for Setup A?	Need not be exact replica; Two different cores; to test for interop and migration experiments
3			3. Section 3, Scope of work: Setup C: The setup A & B, does not include outdoor radio coverage? please confirm. However Setup C includes both indoor and outdoor coverage? Please provide the outdoor area dimensions that need to be covered.		No outdoor radio requirement foreseen
4			4. Section 3, Scope of work: Is there requirement of Digital Applications for Banking and financial sector? are they also in scope?		Not in scope
5			5. Section 3, Scope of work: Is there requirement of service orchestrator also? please confirm		Yes - can be proposed
6			6. Section 4, Technical Specifications: In radio, multiple-input and multiple-output, or MIMO is optional for all three setups? please confirm		Solution dependent - Bandwidth requirements to be met
7			7. General: what about the commercials ? when are we supposed to provide the commercials ?		Approx. commercials expected now as EoI. They will not be considered for EoI / RFP participation.
8			8. General: Is there any preferred vendor partner ?		None - Make in India preferred
9			Statement of purpose: These alternatives will be analyzed for identifying design choices and subsequent acquisition through a RFP. Will the subsequent RFP be limited to these closed group participants of this EoI ?		Yes
10			Scope of Work: The UCL aims to deploy 5G and related technologies to simulate three levels of industry needs Which bands or spectrum are these to operate on?		As wide as possible for Setup A
11			Setup-A: Open research oriented system – for lab experiments Optional: RAN(mm-Wave) based edge for experiments Spectrum license and permissions by/ of IDRBT?		IDRBT will apply
12			Setup-B + Setup-C Backhaul and interconnect access will be provided by Bank?		Yes - either bank or 5GUCL project funding
13			Setup A : two distinct solutions for interop each with (at least one to be 4G /NSA)	Who sources the second solution ? IDRBT ?	Solution may be from same entity ; or may be with OAI

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14				Details of the solution required to identify integration timelines and associated cost	Will be shared during RFP
15			Do we have to do all 3 scenarios OR Pick one scenario OR Pick one after the other sequentially, mandatorily		We suggest to allow supplier to choose one or more of the scenarios. Implementation timelines and approach based on outcome of Eol
16			Who will provide the UE or UE Simulator?		Can be proposed as part of Eol
17		4. Technical Specifications	R1. ORAN compliance: Preferred, or Integrated (Non-ORAN): is ORAN mandatory		No
18			R7. mmWave: For future: Vendor to specify What UE, specs are available test out mmWave?	We request you to make this optional.	Does not exclude proposals; it is optional for Eol
19		5 - Terms & Conditions	5.3 The cost of participation and submission of Eol documents is entirely the responsibility of Participants regardless of the conduct or outcome of the process Is there any fee or costs payable to IDRBT or any entity or agency nominated by IDRBT?		No cost to be paid to IDRBT for Eol; may vary for RFP
20		6. Eligibility Criteria			
21			The participant should have end to end experience and expertise in setting up of 5G environment (RAN, CORE and Edge deployments) What kind of documents to be supplied for this claim ?		Virtual Lab demos / references / news articles / case studies etc.
22			1) For Setup A we Propose 1 4G eNodeB and 1 5G gNodeB NSA Do we require two sets of said quantity?.		one setup may be 1+1; other setup can just be gNB
23			2) For Setup B, Can we plan 1 Core and 3 sets of 5g gNodeB SA mode?.		Single core is fine; count of gNB based on its specs/capacity
24			3) For Setup C, 1 Core and 5 sets of SA mode gNodeB is planned is this fine?		Single core is fine; count of gNB based on its specs/capacity
25			4) Is locker area is separated with metal walls? Do we have to plan separate small cell for locker area?		Dependent of radio coverage; Propose solution assumin metal wall
26			5) For indoor small cell is there a restriction radiated power?		As per regulator
27			1. For effective implementation roadmap and sourcing approach, we will need to know the location details for setup-B and setup-C branches. Please provide these details.		Tier-1/Tier-2 towns { guidance to be given during RFP}
28			2. Since there are 3 different setups, please let us know your views if it is to be implemented in tandem or in a wave approach?		Implementation / timelines RFP driven
29			3. Is B with single Core		Open for solution provider
30			1) Are xAPPs and MEC applications acceptable?		Platform should support running them; actual applications are not part of the Eol
31			2) Specific components of management systems, such as analytics engine and digital twin sandbox and/or autonomous capabilities as explained in IDRBT use cases in ITU-T supplement 71 to ITU-T Y.3000 series, acceptable?		Good to have - not a must
32			3) What are the specific BFS use cases under consideration?		Not relevant for Eol