

Proposal No. 05
(Proposal details for the R&D scheme of USOF)

Subject: Collaborative development of IP KHOSH

a)	Description of Product / Concept/Idea (in detail)	To develop a repository of IP corpus in 5G (IP-KHOSH) and bring the Licensee and licensor on a single platform using block chain technology
b)	Objective	To bring potential Licensee and licensor on a single platform using block chain technology to commercialize/monetize the IPs in 5G
c)	Key deliverables	Developing a Repository for Patents IP-KHOSH (filed by inventors from India) of 5G technology where both Licensees and licensors are brought on a single platform with Blockchain technology.
d)	How did the idea originate	This idea originated while we were preparing 5G IP pooling report to High-level forum (HLF).
	Potential demand	Very high
	Alternate competing technology /& product available / under development locally / outside India	None exist in India
	How they compare in performance / features / cost with what you are proposing	cost-competitive
	What makes your proposal different and unique	This is the first time we are bringing the licensee and licensor of patents onto a single platform using Blockchain.
e)	Will it serve any value addition to any current CDOT's product? If so, how?	Yes. Good place for patent monetization and leveraging on Blockchain.
f)	Key technology to be used	DBMS , Web-GUI, Android / IOS App development, Blockchain etc.
g)	What kind of application areas/market/segment it will serve	5G/ startups/ cross-licensing/Mergers & acquisitions and other 5G players in India and abroad.
h)	What kind of social/ security impact will it have on society/Nation?	IP- KHOSH will create a virtual patent corpus using block chain technology and market place for potential licensors and licensees in 5G patents at the country level, in lines of Alma Nirbhar Bharat.
i)	Budget requirement (approx.)	50 (Rs. in Lakhs)
	Component & Consumables	Nil
	Computing Equipment	4 desktops
	prototype development	Manpower on contract basis- -- Any graduate of product management in an e-commerce industry, with 2 years relevant experience with core competencies like - understanding the building of products in the web - Understanding of IOS and Android platform capabilities and familiarity with developer ecosystems apart from Blockchain technology and applications.
	Software Licensees / AMCs	Oracle/MySQL/Hyper ledger etc.
	Deployment / Rollout planned	Cloud infrastructure
j)	Approximate timelines for prototype readiness or conducting a PoC (Proof of Concept)	12 months
k)	What kind of resources would you require from C-DOT	Good software engineers - 2
l)	Requisite support required from other design and service groups in C-DOT	none
m)	Will it be an Application Oriented Solution/Product or will it require certain hardware to be designed?	It's an application oriented design. No hardware. Application needs to be hosted on the cloud and accessible via mobile devices, Web browser, connected TVs, mobile app etc.
n)	Are the hardware equipment, PCBs, components and chipsets required for the product development readily available from vendors?	No
o)	Use existing hardware or with minor changes in PCBs only	Not Applicable
p)	List out the expected IPRs, if any on the development of proposed technology / product	Copyrights, Trademark
q)	What will be the Utility of infrastructure built up after project completion?	Could be hosted on cloud and linked to our website or create one. The software could be extended to IP management for technologies beyond 5G or any other technologies.

Format of Response

Companies / organizations / institutions / individuals developing enabling technologies / modules / components / subsystems / products are required to respond in the format provided in Annexure-A, on the DOT website ([link address provided- refer "format of response"](#))