

Proposal No. 12

(Proposal details for the R&D scheme of USOF)

Subject: 5G Security device

Problem Statement / Challenge title	Development of Low-cost 5G Hand-set
Challenge brief / definition	<p>With the commercial roll-out of the 5G technologies, round the corner, the mandate of making the technology available to users across the length & breadth of India, is also of prime importance for the telecom industry. India is a huge market with a price sensitive user-base. With the mandate of “Make-in-India”, a low cost indigenous 5G compliant handset shall be a game changing product.</p> <p>At another tangent, availability of 5G devices at affordable prices, shall be a key driving factor for the conversion/ upgradation of 4G users to 5G.</p>
Future expectation	The solution shall encompass the complete 5G stacks on the requisite 5G supporting hardware. The plastics and the hardware of the product should also be rugged to support the Indian weather conditions and even rough usage.

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”](#))