


SN	Problems Statements and description
1.	<p><b><u>Statement No.-1: System to Identify transgression through sensors &amp; electronics devices, Camera etc.</u></b></p> <p><b>Description:-</b> There are gaps along the borders where troops cannot be stationed 24*7. Thus, all approaches or likely approaches can be guarded with equipment like hidden cameras, movement sensors or location finder antenna, stand alone surveillance camera, remotely operated 360 Surveillance camera fitted, quad spotter lorros and thermal imager, etc for early and effective detection. All equipments should withstand extreme weather condition.</p> <p><b>Contact Person:-</b> Sh. A.K. Singh, DIG (BI&amp; Co-Ord), Int Dte Gen, ITBP Block No-4, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24368444</p>
2.	<p><b><u>Statement No.-2: Drones based surveillance of the Open border in Vulnerable Gaps and areas.</u></b></p> <p><b>Description:-</b>To monitor such areas along border; which cannot be patrolled due to harsh weather, terrain, a system is to be designed to detect the intrusion of unwanted Drones by using real time directional measures and establishment of an Anti-Drone system is the need of hour.</p> <p><b>Contact Person:-</b> Sh. A.K. Singh, DIG (BI&amp; Co-Ord), Int Dte Gen, ITBP Block No-4, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24368444</p>
3.	<p><b><u>Statement No.-3: The batteries of various electronic equipments are exhausted early or don't work effectively in extreme cold climate. In few cases the batteries are very bulky and thus difficult to carry.</u></b></p> <p><b>Description:-</b> During any operation at border areas communication eqpts are vital in order to convey critical info immediately to rear unit. ITBP is deployed in such areas where Temperature dips down upto -40° C. At these areas some technology is required which can sort out such type of problems in r/o battery of electronic equipments /devices which are carried by troops.</p> <p><b>Contact Person:-</b> Sh. Mahesh Kalawat, DIG (Communication), Dte Gen, ITBP Block No-4, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24366146</p>
4.	<p><b><u>Statement No.-4: Infrastructure/Accommodation/Electricity/Potable Water at forward locations.</u></b></p> <p><b>Description:-</b> ITBP is deployed along border areas where limited resources are available in terms of infrastructure/accommodation/potable water &amp; electricity. In such areas, climate remains harsh which affect adversely on the deployed troops. Therefore in order to mitigate the adverse impact on troops and to withstand adverse weather condition some technology is required to prevent freezing of water pipes and toilets during long winters, to keep the available accommodation warm, to provide troops an easily erectable light weight accommodation which can withstand the winters including chilled high velocity winds and can keep the inner space warm or unaffected from the outside weather.</p> <p><b>Contact Person:-</b> Sh. Anand Kumar, Commandant (Engr), Dte Gen, ITBP Block No-4, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24366606</p>

5.	<p><b>Statement No.-5: Good quality of food/fresh food which can be stored using latest technology.</b> <b>Description:-</b> The tinned/dehydrated food being used by troops at border has its draw backs as it produces gas and abdominal discomfort. Latest technology may be explored to address alternative of tinned food and availability of fresh vegetables. <b>Contact Person:-</b> Sh. Ashok Kumar, DIG (Provisioning), Dte Gen, ITBP Block No-2, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24364267</p>
6	<p><b>Statement No.-6: All weather good quality clothing for troops.</b> <b>Description:-</b></p> <ul style="list-style-type: none"><li>• <b>Special Uniform for Tropical area:-</b> ITBP Troops are deployed in North-East and Chhattisgarh area where troops face harsh weather; mostly high temperature, leeches, mosquito, insect bites and snakes. Some technology in field of clothing or equipment may be explored to address this problem which can rectify this problem or may suppress caused harm.</li><li>• <b>Special Uniform for High Altitude area:-</b> Troops are deployed in such area where temperature dip down upto -40° C, in such areas troops are facing high altitude diseases i.e Frost bite, Chilblains, loss of appetite, headache. Latest technology in r/o clothing may be explored to overcome this problem or suppress impact of such adverse weather on human body. Care should also be taken in weight &amp; volume of the clothing; so that operational activities may be carried out without any hindrance.</li><li>• <b>Special Uniform for Normal area:-</b> ITBP troops are also deployed in IS duties but uniform is same for all areas. Such type of clothing should be developed which is durable, flexible, light weight and adjustable to all weather.</li><li>• <b>Water proof Clothing &amp; Shoes:-</b> During the deployment along the Border troops require specialised light weight water proof clothing during nallah/river crossing/movement in snow. Latest technology in r/o water proof Clothing &amp; Shoes may be explored to overcome this problem</li></ul> <p><b>Contact Person:-</b> Sh. Ashok Kumar, DIG (Provisioning), Dte Gen, ITBP Block No-2, CGO Complex, Lodhi Road, New Delhi-110003 ☎ 011-24364267</p>
7	<p><b>Statement NO.-7: Ready to use first aid kits.</b> <b>Description: -</b></p> <ul style="list-style-type: none"><li>• Troops are deployed along border where qualified doctors &amp; hospital are not available. Until evacuation to higher centre, patient is dependent on first aid by medic/telemedicine. However, good quality, easy to use first aid kits might be life saviour in times of crisis.</li><li>• <b>Oxygen related problems:-</b> Troops are deployed in high altitude area where oxygen level is very low which can affect the physical efficiency of troops. Such type of oxygen cylinders are required which are technically light in weight and have optimum capacity to store oxygen. Mini oxygen plant can be installed at BOPs for quick recharge of oxygen cylinder which are used during move. Such technology for mini oxygen generating plant which can be easily operated by Force personnel may be developed.</li></ul> <p><b>Contact Person:-</b> Sh. H.B. Mohanty, IG/Director (Medical) Dte Gen, ITBP, R.K Puram, West Block, New Delhi-110022 ☎ 011-20861285</p>

  
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