

CENTRAL INDUSTRIAL SECURITY FORCE
(Ministry Of Home Affairs)

EXPRESSION OF INTEREST

AIG/Tech
Technical Branch
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The Sub-group of Technical Experts constituted as per direction issued vide MHA UO No. IV-24011/12/2011-Prov-I dated 13.06.2012, UO dated 28.12.2012 and UO dated 27.06.2013 and UO No 11012/02/2009-Fin-I/Prov-I-17 dated 02.01.2018 held its meeting at CISF Hqrs on 04.04.2018 to formulate the Qualitative Requirement of **MOTORISED SLIDING GATE WITH OPEN PROTOCOL AND SAFETY MECHANISMS**. After detailed deliberations the referred Sub-group has formulated the QRs which are as under:

DRAFT QRS/TECHNICAL SPECIFICATION OF MOBILE RAISED
OBSERVATION POST

S No	Technical Features
01	The Mobile raised observation post proposed shall have two portions i.e the Cabin and base structure. Cabin shall be made of 70 mm thick GI sheet sandwich panels with allowance of entry gate & windows at required places/locations.
02	The cabin shall be mounted/integrated/fixed upon the base structure and the total unit shall be held to enable the unit move on plain concrete surface or the like wise surface.
03	The Mobile raised observation post shall have one GI-sandwich panel made (3"~2.8" thick) watch cabin of size 6'X4'X7.5~7' (H); having double slope roofing (like hut) that would be mounted on MS angle framed 'base structure'.
04	The Mobile raised observation post cabin shall have one door, three fixed glass panels (2'X2') on three walls. Three shutter window of size 3'X2' (for air circulation) shall be fixed at on its three walls. There should be sufficient port for firing on each shutter windows.
05	Inside of the Mobile raised observation post shall be provide one 12" wall fixed fan of any standard make, two CFL/LED points for light, one point (Switch+socket) each for 15 AMP and 5 AMP.
06	At exterior of the Mobile raised observation post shall provide four CFL/LED points for light on all its four sides. All the CFL/LED light should be able to illuminate 1250 Sq Ft area and compatible solar panel, battery/Inverter be provided for illumination of the aforesaid mentioned area. The details of solar panel is as under:- i) Four 18 to 20 watts LED luminous which will cover the each side 1250 sq ft and total area of 5000 sq ft. ii) Battery 220 Amp iii) Solar panels of 230 watts 2 Nos. iv) 530 watts Inverter. Place for installation of the inverter should be designed in the beneath of cabin for safety purpose.

	All lights will be auto timer switch off/on
07	All the control panel shall be provided inside of the Mobile raised observation post cabin.
08	All the electrical arrangements mentioned above will fixed to one main pair of wire which shall be left outside of the Mobile raised observation post cabin that can be attached to the mains to make it operational.
09	The base structure shall be made of MS angle as per the sketch work mentioning sized and other required specifications (Drawing attached).
10	The cement board of 30 mm thickness shall be fixed upon the base structure to form the landing platform.
11	The landing platform shall be a height of 8' from the ground level including the height of base wheels of 10". There should be provision of MS railing on four sides of the cabin for preventing falling and other obvious security-cum-ease reasons.
12	Ladder : Ladder should be provided in detachable mode, which can be fixed and removed with the mobile observation post as per operational/user requirement.