

No. IV-13012/1/2005-Prov-II
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, the 1st August 2007.

To,

The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D.

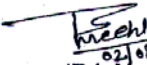
Subject:- Finalization of QRs/Specifications for the Assault Rifles.

Sir,

The QRs/Specifications for the Assault Rifle has been finalized and accepted by the MHA.

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down QRs/Specifications.

Yours faithfully,


02/08/2007
(B.L. Meena)
Section Officer (Prov-II)

Copy to:-

The DDG(Proc), MHA

Copy for information to:-

1. PS to JS(PM), MHA.
2. Director (Prov), MHA.

MJ
13/8

DDG(Proc)

SSA(W)

14/8

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SSA(W)

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QUALITATIVE REQUIREMENT FOR ASSAULT RIFLES

Sl.No	Parameters	Requirement
1	Caliber	5.56 / 7.62 mm / 9 mm (desirable)
2	Cyclic Rate of fire	Not less than 600 rds per minutes
3	Overall length Butt - retracted folded/fixed	650 mm maximum
4	Type of fire	Single shot & Automatic
5	Bayonet	Should be multipurpose
6	Weight of the Rifle with empty magazines	3.50 Kgs maximum
7	Ejection pattern	Front Angular 15° to 75° (desirable)
8	Safety	Should have mechanical and applied safety
9	Life of Barrel	20000 rds minimum
10	Smoke from barrel	Minimum
11	Ability to withstand impact	Should be able to withstand an impact of free fall on hard / rocky surface from a height of 6'
12	Shine and colour of the furniture	Black with good aesthetic look with mat finish without shine
13	Capacity of Magazine	30 Rounds (minimum)
14	Effective Range	Minimum 400 mtrs
15	Flash eliminator	Essential
16	Accuracy/consistency	The weapon should be consistent and should be able to fire accurately as per the following accuracy standards

Sl No	Range (m)	Sight	No of rds	Mode	Group size (mm)	MPI (mm)	Remarks
1	30.5	200	5	SS	25.5Hx38V	12.5 up 12.5 Lt	4 rds out of 5 rds
2	200	200	5	SS	168Hx168v	0-250up 84L/Rt	4 rds out of 5 rds
3	200	200	9	TRB*	200 x 200	9 hits in target size (1200 mm x 200 mm	
4	400	400	5	SS	336Hx336v	0-500up 168L/Rt	4 rds out of 5 rds

* 3 Magazines of 3 rds each shall be used for this test.

17. Operating / storage temperature

- a) Operating temperature - -40°C to $+50^{\circ}\text{C}$
- b) Storage temperature - -40°C to $+50^{\circ}\text{C}$
- c) Humidity - 95% at 25°C

18. Transfer of Technology

The manufacturer of the rifle should agree for transfer of technology regarding indigenous production of that assault rifle, spares and ammunition to avoid non-availability of any of those items at the time of need or demanding inflated prices for spares and ammunitions.

19. Engineering Support Package

The manufacturer of the Assault Rifle should provide engineering support package including :-

- a) Technical literature
- b) Training manuals and user hand book
- c) Illustrated spares part list duly priced
- d) List of STEs/SMIs/Test Jigs for
 - i) Repair and testing of main equipment at field level
 - ii) Repair and testing of PCBs, Modules of main equipment and its accessories at Base level
- e) Recommended list of spares for four years for field level and base level repairs and spares back up must be assured for at least 15 years

20. Add on sights

- (a) Collimator / Reflex sight

Essential

- (b) Invisible laser designator with compatible night sight

Essential


- (c) Attachment for easy fitment of compatible night sight without need for zeroing again

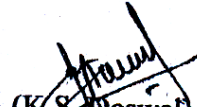
Essential

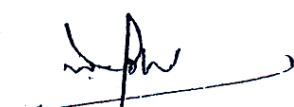
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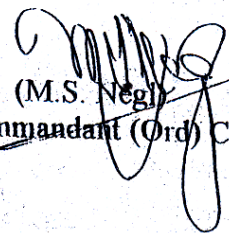
20. Add on requirement:

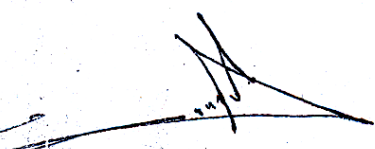
(a) Provision for mounting UBGL

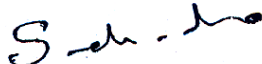

Maj R.M. Seth
SC(WE), HQ NSG

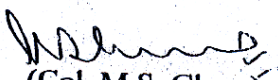

(K.S. Deswal)
2-IC, CRPF



Lt.Col. C.J. Joseph
Jt. Director, EMAE(SA),

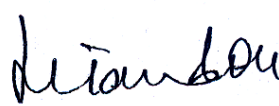

(M.S. Negi)
Commandant (Ord) CRPF

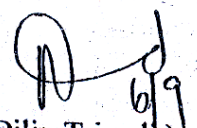

Sabu A Joseph
Commandant (Ord) BSF

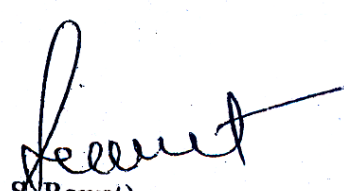

Col. S.K. Kalra
Jt Director, DQA (Arms)

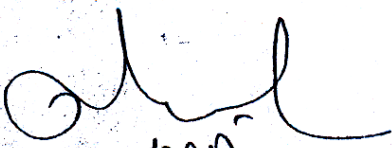

(Col. M.S. Ghura)
Director, WE-4, Army HQrs


(I.S. Negi)
ADIG (Prov), ITBP


(Rajeev Tandon),
DIGP (Prov), NSG


(Dilip Trivedi),
IGP (Prov), BSF


(S.S. Rawat)
IGP (Prov), CRPF


(N.C. Joshi)
DG, BPR&D