

SCHEDULE FOR PROOF & SENTENCING CRITERIA

- 1.0 STORE :- FUZE T & P DA NO.213 MK-5 (M-3) - filled
- 2.0 TYPE OF PROOF :- FILLED PROOF
- 3.0 LOT SIZE :- 2052 + PROOF SAMPLES RELQUIRED
- 4.0 SAMPLE SIZE :-
- (a) Advance Sample/Heavy Proof :- 32 Fuzes
 - (b) Normal proof sample :- 13 Fuzes

PROOF SAMPLES IDENTIFICATION :-

In addition to the service markings, the proof samples will be stenciled with serial number of proof sample in 13 mm type letter e.g. 1P, 2P,3P.....etc

6.0 PROOF ESTABLISHMENT :-

CPE Itarsi or as nominated by CQA(A) Kirkee.

7.0 ARRANGEMENTS FOR FIRING :-

- (a) Equipment :- 81mm mortar E1 first quarter of life
- (b) Mortar Bomb 81mm flash filled 2A with Tail Unit 11A
- (c) Primary cartridge 81mm filled
- (d) Augmenting cartridges 81 mm filled
- (e) Elevation :- 47° 20'

8.0 PROOF CONDITIONS :- The proof samples will be subjected to :-

(a) **FUNCTIONING PROOF : HIGH PRESSURE.**

Sample Size :- 13 Nos. fuzes per lot (32 fuzes each for First lot)

Fuze setting :- 34 Sec

Bomb :- Mortar Bomb 81mm flash filled 2A assembled with Tail Unit 11A Primary cartridge 81mm Filled, Augmenting cartridges 81mm filled W/O FUZE.

Charge :- F1 Pressure

Observation required :- (i) Time to burst by Drello

ii) Range to burst

iii) Premature, blind, ground burst or any other defects.

iv) Mechanism number of each fuze to be recorded against its proof results.

NOTE : "Before commencement of proof, fire 2 nos. of fuzes ex-stock for focusing the Drello."

9. GENERAL PERFORMANCE REQUIRED :-

Fuze must function correctly, must not result in Premature, Blind, Or Ground Burst.

10. CLASSIFICATION OF DEFECTS

(a) Critical Defects

Premature :- A premature is defined as a fuze which functions at a recorded time of flight of less than 3.5 Sec or the range of burst is less than 650 meters In case of any doubt, the recorded range shall be the deciding factory.

(b) Major Defect

Blind, Ground burst

c) Minor Defects: Nil

11. SENTENCING CRITERIA

a) Critical Defect:-

At the occurrence of premature the lot under proof will be sentenced Rejected. Action when critical defect occur at proof

[i] Lot under proof will be rejected.

[ii] An investigation will be started at once to find out the reason as to why the defect has occurred

[iii] The H.Q. DQA(A) New Delhi, CQA(A) Kirkee and Quality Assurance Officer will be informed immediately.

b] Major Defects

Sampling plan for Blind Ground Burst and other defects

Double sampling plan

AQL 4 %

Sl NO	PROOF LEVEL	SAMPLE SIZE	CUMULATIVE SIZE	ACCEPTANCE CRITERIA	
				Ac	Re
1ST LOT					
1	1 st PROOF	32	32	2	5
	RE- PROOF	32	64	6	7
SUBSEQUENT LOT/ OUTTURN LOT					
2	1 st PROOF	13	13	0	3
	RE- PROOF	13	26	3	4

12. SENTENCING AUTHORITY :- CQA(A) or Proof Estt / SQA0 when authorised13. COMPONENTS/STORES

13.1 To be supplied by proof estt. For each round:-

COMPONENT/ STORE	DRG PT NO	QTY
Mortar Bomb 81mm flash filled 2A w/o fuze	ITV 47 GF	1
Cartridge 81mm Mortar filled (DS CAT No. T1/1315 000121	IRW 107 GF	1
Cartridge 81mm Mortar Augmenting Filled (DS CAT No. T1/1315 000122	IRW 111 GF	1 SET (10 Cartridges)

14. EQUIPMENTS

14.1 Mortar 81mm E-1 (DS CAT No. M1/1015 001466) in first quarter of life

15. INSTRUMENTATION

15.1 As required by proof range for measurement of time to burst and range to burst.

16. DOCUMENTATION

16.1 Recording of observations & sentencing should be made on appropriate form. Proof form enclosed as appendix 'A'

17. SAFETY PRECAUTIONS

17.1 Safety precautions as given in relevant firing instructions or any other applicable documents should be observed strictly.

APPROVED

KHADKI/PUNE-411 003

DATE: 31 JAN 2001

Pratap Nair

(PRATAP NAIR)
LT. COL
DEPUTY CONTROLLER
for CONTROLLER

A Certified correct copy of approved CQA(A) proof schedule on this date.

SS Yadav

SS YADAV
Dy. Asstt. Controller
For Controller

Date: 22/1/2019

Appendix 'A'PROOF SCHEDULE UGA(A)/PS/FZ/98/5FILLED PROOF FUZE T & P DA NO.213P MK-5(M-3)

PROOF ESTABLISHMENT.....

MANUFACTURER/ FILLER DATE OF PROOF

LOT NO. WIND SPEED m/s

DATE OF MANUFACTURE/FILLING WIND DIRECTION

BOMB LOT NO.

PRY.CARTG.LOT NO & DATE OF FILLING----- AUG. CARTG. LOT NO. & DATE OF FILLING -----

Sl.no	Mech.no.	1 st proof			Mech.no	2nd proof		
		Time to burst	Range to burst	defects		Time to burst	Range to burst	defects
1.								
2.								
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								

SENTENCE :- SERVICEABLE / REPROOF / REJECTED / DEFERRED

Date

Signature
Proof Officer
Proof Establishment