GLOBAL TENDER ENQUIRY NO. 201900114/A4, DT. 27-05-2019 FOR PROCUREMENT OF FUZE ISD (FILLED) FOR 30 MM GRENADE VOG-17 FOR AGS17, QTY. 30,374 NOS.

FOR:THE EXISTING TECHNICAL DOCUMENTS
UPLOADED ALONG WITH THE TENDER ENQUIRY
(DRAWING, SPECIFICATION AND ACCEPTANCE
TEST PROCEDURE OF FUZE ISD (FILLED))

READ: PROCUREMENT OF FUZE ISD (FILLED)
FOR 30 MM GRENADE VOG-17 AGS-17 AS
PER BASIC TECHNICAL DETAILS (ENCLOSED
AS ANNEXURE – A) AND CHECK PROOF
PROGRAM (ENCLOSED AS ANNEXURE-B).

(filled) lugar

A) BASIC TECHNICAL DETAILS OF ISD FUZE, FOR 30 MM HE GRENADE VOG-17 AGS-17

Name of Fuze
 Fuze ISD for 30mm HE

GrenadeVOG17 AGS 17

2. Type of Fuze - Direct Action Instantaneous & Self

Destruction after 27 sec.

3. Crew/Muzzle Safety - 10 to 60 m

4. Functioning on Impact - At & more than 60 m

5. Pyro shutter release delay - 100 to 300 milliseconds

6. Self Destruction - After 27 Seconds (In case fuze fails

to function on impact)

7. Wt.of Fuze - 50 gm.

8. Fuze threads - M 28 x 1

9. Fuze Length - Total 51 mm

Above Grenade - 27.5 mm

10. Time of Flight up to 1700 m- 22.5 Seconds.

Fuze Reliability - Above 98 % in Impact mode.

12. Lot size of fuze - 2000 Nos.

B) BASIC TECHNICAL DETAILS OF 30 MM HE GRENADE VOG-17 AGS-17

1. Type of explosive filled in Grenade - RDX / WAX Composition

2. Wt. of explosive filled in Grenade - 33.25 gms.

3. Muzzle Velocity - 185 m / s

4. Range of Ammunition - 1700 m.

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CHECK PROOF PROGRAMM FOR 30MM GRENADE

Appendix 'A'

PROOF ESTT SOAB(A) & LPR KHAMARIA

SL.	Test Sample	Methods of	Acceptance criteria	Remarks
No.		testing v		
1 -	a) Safety &	Illevation angle	Following is not acceptable	
	functioning	08° 21'	i) Weapon stoppage which could	
	i) At -50°C (4 hrs) 18	17 - 1-10 A	i) Weapon stoppage which could be attributed to ammn.	
	ii) At +50°C (4 hrs) 18	. at 1944	ii) Premature burst in the barrel	
		*** * 1 1 2 3***		
			time less than 5 sec for each group fired.	
- 3			roroum fired	
•			iii) Separation of cartg case from	
			grenade body.	
			iv) Grenade hody and grenade	
			parts getting destroyed during	
			fining.	
			v) In case of one failure due to the	
			percussion primer the test should	
			be repeated in TRIPPLE QTY.	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	At this time no failure is allowed	
		E-series in	(MISFIRE)	· · · · · · · · · · · · · · · · · · ·
		4.4	vi) Defects of cartg case and	
			percussion primer not allowed by	
		- 赤.	dres/standurds.	
1			vii) All rounds should burst in the	
		A PARTY OF THE PAR	field firing. Burst of the grenade	
		No. of the last of	have been obtained when they hit	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
1			the ground at first or second hit.	
1			One function of the fuze from SD	
1			mechanism allowed. In the event	
			of two failures the lot is subjected	
			to re-proof in the same qty and at	
		go et ligh	this no fai ures are allowed.	
2	REALIABILITY	i) Rds fired on	i) Round should function on	
12	TEST	0.5 mm thick.	hitting card board sheet placed at	
	(Upper limit of	card board	60m	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
1		GOST - 2824	ii) Not more than one burst	
1	Arming)	86 target at	allowed on plywood shield.	
	i) At Amb 10	oo target at	iii) If two bursts are obtained in	
1		60m, 11 ki.		
		ii) Beyond the	the plywood shield the lot is	1.
1 .		card board at	subjected to test in qty 10 pcs	
1	,	distance 2-3m is	from the group failed to function	
1		placed a .	on the board and at this not more	
1		plywood shield	than one burst allowed in the	1:1:
		/fixture of	plywood shield.	
1		thickness 5 -		
		10mm.		
		ТОШИ.		
1		is simple.		
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SL. No	Test Sample	Methods of testing	Acceptance criteria	Remarks
3	(Lower limit of 10	Performed by	No burst takes place upon hitting	1997-1997
	Arming)	shooting from	the target No. RE-PROOF	Marie Control
	i) At Amb	grenade	PERMITTED	
		launcher using		2000
	A CONTRACTOR	live grenade		K(1, 1, 2, 2, 3, 3, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,
1		towards		
		plywood shield		
1		thickness 3-5		
1		mni placed at		
		10 mm from		, and
		muzzle.		
4	MUZZLE 10	This test is to be		Till Ballistic barrel
	VELOCITY AT +	done with		and method as
1	15°C	Ballistic barrel		desired is
1 - 1		on a fixed		established it
1	1 1 1 1 1 1 1	mount (distance		could be done with
1		between		available method
1	w	ballistic barrel	A STATE OF THE STA	as hitherto done
,		mount and		for information.
		solenoid) I-I-3m		TOI THIOT MERCOTT.
		and distance		
1		between	•	
		so enoid I and		
1		solenoid II-2-		
1		4m)		
15	PRESSURE (P . 10	This test is to		This test may be
13	avg. & P max)	dene with	2 × 1	undertaken subject
1	avg. & F max)	Ballistic barrel	-	to availability of
1		Deimorro Dallos		Ballistic barrel and
1 2 2		***		suitable pressure
1				recording method.
16	BURST 10.	Test is	The result is considered	The test may be
10	DISTRIBUTION	performed by	satisfactory if the hypothetical	undertaken subject
	DISTRIBUTION			
				- 1
1		field firing at	lateral deviation Bc and the	to availability of
		field firing at convenient for	lateral deviation Bc and the hypothetical distance deviation	to availability of Ballistic barrel on
		field firing at convenient for observation	lateral deviation Be and the hypothetical distance deviation. Bib do not exceed the values	to availability of Ballistic barrel on rigid mount and
		field firing at convenient for — observation distance in the	lateral deviation Bc and the hypothetical distance deviation. Bb do not exceed the values corresponding to the average	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100-	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and
		field firing at convenient for observation distance in the range of 1100- 1700m by	lateral deviation Bc and the hypothetical distance deviation. Bb do not exceed the values corresponding to the average	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing.	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100-1700m by single firing. (No rain or	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but not more than	lateral deviation Bc and the hypothetical distance deviation. Bib do not exceed the values corresponding to the average firing distance as per the firing	to availability of Ballistic barrel on rigid mount and availability of
		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but	lateral deviation Bc and the hypothetical distance deviation. Bb do not exceed the values corresponding to the average firing distance as per the firing table.	to availability of Ballistic barrel on rigid mount and availability of suitable range.
7	RANGE (max) at 5	field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but not more than	lateral deviation Bc and the hypothetical distance deviation. Bb do not exceed the values corresponding to the average firing distance as per the firing table. Individual Range of each Rd &	to availability of Ballistic barrel on rigid mount and availability of suitable range. A copy of range
7		field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but not more than	Individual Range of each Rd & mean of sens distance of sens range	to availability of Ballistic barrel on rigid mount and availability of suitable range.
7	RANGE (max) at 5	field firing at convenient for observation distance in the range of 1100- 1700m by single firing. (No rain or snow / wind with constant direction but not more than	lateral deviation Bc and the hypothetical distance deviation. Bb do not exceed the values corresponding to the average firing distance as per the firing table. Individual Range of each Rd &	to availability of Ballistic barrel on rigid mount and availability of suitable range. A copy of range

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Dec. 18 2004 04:47PM P4

EHX NO: : 050 2813536

1 : COR(A), KIRKEE PUNE

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	(a)	(b)	(c)	((d) (e) ((f) (g)	(h)	(I)	(k)	(1)	(m) ((n)	(o)	(p)	(q)	(1)	(3)		(5
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