Training Centre
National Security Guard
PO : Manesar
Distt : Gurgaon
Haryana : 122051

No P 625(2)/TC/QM/NSG/2016-17/ 07 Feb, 2017

NATIONAL SECURITY GUARD
(MINISTRY OF HOME AFFAIRS)
Government of India

Subject: **TENDER/QUOTATION FOR PROC OF EQUIPTMENTS FOR CONDUCTING SPECIALIZED TRAINING OF CC AND TCCS.**

Online Open Tender Enquiry /quotation(IN TWO BID SYSTEM) is invited by the Inspector General, Training Centre, National Security Guard on behalf of President of India, for "**proc of equipments for conducting Specialized Training of CC and TCCS.**

1. Details mentioned in para 3 below :

2. Terms and conditions :-

(a) Rates to be quoted F.O.R. NSG Campus, Manesar, Gurgaon (Haryana).

(b) The stores should be delivered within 15 days from the date of issue of supply order. If stores are not delivered within 15 days, the supply order is liable to be cancelled.

(c) IG, Trg Centre, will be at liberty to cancel any supply order without assigning any reason.

(d) The firms/dealers quoting the lowest rate for best quality of items will be given preference. Lowest rate for each items will be considered separately. **Firms will have to produce sample on the day of tender opening.**

(e) The rates will be valid for one year from the date of approval.

(f) Warranty /guarantee in respect of each store should be clearly mentioned In the tender form.

(g) Stores will be received in good condition and good quality only.

(h) Payment will be made on receipt of the complete qty of goods in good condition and quality and as per the Govt policy.

(i) The Approximate Cost of Equipments mentioned in para 3 is Rs. 3.89 Crores.

(j) Earnest Money of **Rs. 7,78,000/- (Rupees seven lacs seventy eight thousand) only** in the shape of Bank Draft drawn in favour of IG, Training Centre, NSG Manesar Gurgaon, Haryana payable at SBI NSG Complex, Manesar is also required and quotation without earnest Money and requisite information/paper documents will not be entertained/accepted.

3. Details of items :-

S/No.	Nomenclature	Qty	Rate	Total Cost
1.	Snap Light Sticks –Visible Type	210 Nos		
2.	Snap Light Sticks- IR Type	210 Nos		
3.	Passive Night Vision Monocular	127 Nos		
4.	Reflex Sights/ Holographic Sight for MP-5	127 Nos		
5.	Spotter Scopes	09 Nos		
6.	Protective Eye Google	119 Nos		
7.	Wire Cutter	13 Nos		

Note :- The items must be fulfils the following Qualitative Requirement :-

1. QUALITATIVE REQUIREMENT FOR SNAP LIGHT STICKS –VISIBLE TYPE

S.No.	Qualitative Requirements
1.	Should have chemical properties and able to glow automatically on impact or breaking of snap stick by user.
2.	Four categories based on the duration of light emission to be provided as per user's preference are as under :- (a) Minimum 30 Minutes (b) Minimum 3 hrs (c) Minimum 6 hrs (d) Minimum 12 hrs
3.	The size should be compact enough to be easily accommodated on person (6 inches to 24 inches) in the Pouch/Trouser Pocket/Back pack.
4.	The light emanating from the Light Stick should be excellent for map reading and should be capable to provide enough light to soldiers in all type of emergencies.
5.	The Snap Light Stick should be available in minimum six colours to include White and IR (infra red) for use in different contingencies.
6.	On being snapped, the chemical should not spill over form the outer jacket.

2. QUALITATIVE REQUIREMENT FOR SNAP LIGHT STICKS –IR TYPE

S.No.	Qualitative Requirements
1.	Should have chemical properties and able to glow automatically on impact or breaking of snap stick by user.
2.	Four categories based on the duration of light emission to be provided as per user's preference are as under :- (a) Minimum 30 Minutes (b) Minimum 3 hrs (c) Minimum 6 hrs (d) Minimum 12 hrs
3.	The size should be compact enough to be easily accommodated on person (6 inches to 24 inches) in the Pouch/Trouser Pocket/Back pack.

4.	The light emanating from the Light Stick should be excellent for map reading and should be capable to provide enough light to soldiers in all type of emergencies.
5.	The Snap Light Stick should be available in minimum six colours to include White and IR (infra red) for use in different contingencies.
6.	On being snapped, the chemical should not spill over form the outer jacket.

3. QUALITATIVE REQUIREMENT FOR PASSIVE NIGHT VISION MONOCULAR

S.No.	Parameter	Specification
1.	Weight	Should be more than 315 Gms including cells/ batteries.
2.	Image Intensifier Tube (I I Tube)	All the parameters of II Tube mentioned below should be supported by certificate of II Tube manufacturer and data sheet of each II Tube must be provided :- a) Resolution : 64 lp/mm or better. b) Signal to Noise Ratio (SNR) 22 or better at 108 µlux. c) Mean time to Failure (MTTF) : Minimum 10,000 operational hours. d) II Tube should be Military grade. e) It should have inbuilt AGC & BSP.
3.	Must be capable of being used as a hand held viewer, face & helmet mounted. Suitable adaptor should be provided with each equipment.	
4.	Water resistance	The complete equipment shall be capable of being submersed in to water in 1 meter deep for half an hour without water leakage in-to its interior. The PNV Monocular should function properly.
5.	Range : (In Star lit conditions without moon)	For human being : Detection – 200 Meters Recognition- 125 Meters
6.	Power Source	i) It should be operable independently on primary and rechargeable cells and battery. ii) The battery should run at least 8 hrs with IR and 15 Hours on normal mode. iii) One commercially available charger with each PNV Monocular required with charging facility both AC volt and DC volt (2-in-one facility)
7.	Must have IR LASER illuminator for use in totally dark environment for recognition at a range of 125 Meters or better.	
8.	Low battery indication	Low battery indication should be provided inside the Field of view (FOV).
9.	Magnification	1x or better
10.	Field of view	40° minimum
11.	Dioptre adjustment	-4.5 d to +4 dioptre or better
12.	Operating Temp.	-30° to + 55°C

13.	Carrying case	Each equipment should be supplied with a suitable water proof carrying case and hard transportation case.
14.	Environmental requirement	Monocular should confirm to JSS 55555 or Mil std 810-F latest for humidity, shock, vibration, rain test etc. To be supported by national/ internationally/ accredited Laboratory certificate.
15.	Miscellaneous : a) Purging kit be provided at the time of supply (quantity be specified by the user). b) One additional set of battery be provided.	
	b) Cleaning kit be provided with each of the equipment.	
	c) List of supporting test equipment and their rate be provided.	
	d) Supplier to submit undertaking to provide spare parts for next 10 Yrs minimum from the date of supply.	
	e) Technical manual/operational manual including repair manual of PNV Monocular.	
	f) Repair & maintenance training should be arranged for about 10 working days to minimum 10 technicians at OEM premises & operational training to 100 operators at field locations.	

4. QUALITATIVE REQUIREMENT FOR REFLEX SIGHTS/HOLOGRAPHIC SIGHT FOR MP-5

S. No	Parameter	Requirement
1.	Weight	Not more that 400 grams including battery and mounting arrangements Type of adapter will be specified by the user.
2.	Optics & Body	Lens should have and reflection coating scratch & chemical resistant Body should have mat-black finish and it should be rust and corrosion proof. The sight should be free of any optical aberration such as Parallax etc.
3.	Magnification	IX
4.	Range	300 Mtrs
5.	Aiming DOT	Should have the aiming point in form of a red-dot. The size of aiming dot should be not more than 3 MOA. Should have a provision of vertical and horizontal adjustment of Red dot.
6.	Brightness	Should have provision to adjust brightness of the Red DOT
7.	Battery	i) Non rechargeable, replaceable battery. ii) Operating temperature -20° C to - 55° C. iii) Battery should be commercially readily available.
8.	Zeroing	The zeroing of sight should not get disturbed by continuous firing of 100 rounds on user specified weapon.
9.	Adapter	Should have adapter to mount (Picatinny or dovetall) on user specified weapon.

10.	Compatibility	Should be compatible with the night vision sights when used in tandem.
11.	Ruggedness	The reflex sight should be ruggedized as per latest Mill STD or JSS 55555 in the respect of high and low temperature, humidity shock vibration and rain.
12.	Operating Temperature	-20° C to + 55° C
13.	Storage Temperature	-30° C to + 60° C
14.	MTBF	More than 10,000 hours
15.	Material	Reflex sight should not have any Radioactive or hazardous material.
16.	Miscellaneous	Inspection and maintenance manuals tools user hand book (in English or Hindi language). Illustration on various parts, guides on handling the equipments etc as applicable to be provided.
		Packing impact resistant hand transportation box in commensuration with Mill-Standard should be provided. It should have provision to accommodate complete accessories.

TRIAL DIRECTIVE FOR REFLEX SIGHT				
S.No	PARAMETERS	Trial procedure suggested for Board of Officers	Result expected/desired	Completed /Not completed
1	**Weight:** Not more that 400 grams including battery and mounting arrangements Type of adapter will be specified by the user.	➢ Measure the weight of the Reflex sight including battery and mounting arrangements/adapters. ➢ Check the compatibility of the adaptor/mounting provided for a specific weapon.	➢ The weight of the Reflex sight must not be more that 400 gms including battery and mounting arrangements/adaptors. ➢ Type of adaptor must be in accordance with the adaptor specified in the tender documents and it must be compatible with weapon.	-
2.	**Option & Body** : Lens should have anti reflection coating, scratch & chemical resistant. Body should have mat-black finish and it should be rust and corrosion proof. The sight should be free of any optical aberration such as Parallax etc.	➢ Check the optical parts of Reflex sight for Anti reflection coating, scratch & chemical (like weapon cleaners, lubricants, oil or insect Repellents) resistant. ➢ Check the body of the sight for mat-black finish. ➢ Fix the equipment on instrument testing scale of intensified test equipment and see the image of the sight.	➢ The lens must be of Anti reflection coating, scratch & chemical resistant. ➢ Body of the Sight must be mat-black finish. ➢ Target must be parallax free.	
3.	**Magnification** : IX	➢ Fix the equipment on instrument Testing Scale of integrated test equipment and measure the magnification of the Reflex sight a per the procedure.	➢ The magnification must be.....	