

draft after
ccm
28/11/18

Domestic Appliances and Supplies and Consumer Electronic Products, UNSPC Code: 52							VERSION 3.0	
Consumer electronics, UNSPC Code: 5216								
Audio and visual equipment, UNSPC Code: 521615								
Digital Handheld VHF Transceiver Set as per MHA QRs, UNSPC Code: 52161598								
S.No.	Parameters	Field Type	Field Category	LOV			Remark	Unit
1	Conformity to technical requirements	Enumerable	GOLDEN	As per QR/specification & TDs for 'Digital Handheld VHF Transceiver Set', prepared by Police Modernization Division, 26, Mansingh Road, Jaisalmer House, New Delhi and approved by MHA as per letter No. IV-12011/13/2012-Prov-I dated 11.12.2012 & B.V-7/2012-13 (QRs) Dated 02nd October, 2014 respectively. (Copy of QRs / TDs uploaded in GeM portal)				
2	Availability of QR/specification for 'Digital Handheld VHF Transceiver Set'	Enumerable	Mandatory	Yes				
3	QR/specification has been seen, read and understood	Enumerable	Mandatory	Yes				
4	Scope of supply of 'Digital Handheld VHF Transceiver Set' covers all components complete as per governing QR/specification	Enumerable	Mandatory	Yes				
1	Frequency Range	Enumerable	GOLDEN	136 -174 MHz				
2	Type of Band	Enumerable	GOLDEN	Full Band				
3	No. of Channel	Enumerable	GOLDEN	255 or better				
4	Protocol and Technology	Enumerable	GOLDEN	Digital TDMA or Digital FDMA				
5	RF Power	Enumerable	Mandatory	1 /5 Watt (Programmable / Selectable)				
1	Battery Capacity	Enumerable	Mandatory	2000 mAh or More with Belt Clip				
2	Type of Battery supplied with Digital Handheld VHF Transceiver Set (Battery Chemistry)	Enumerable	Mandatory / Filter	Li-ion	Ni-Mh	Li-Polymer		
3	DC Voltage	Measurable	Mandatory				AKBNV	Volt
4	BIS certification for Battery to IS: 16046 (latest) under Compulsory Registration Scheme (CRS)	Enumerable	Mandatory	Yes				
5	BIS Registration No under CRS (R No)	Text	Mandatory				AKBNV	

S.No.	Parameters	Field Type	Field Category	LOV			Remark	Unit
1	Communication Security	Enumerable	GOLDEN	In-built Encryption, Thirdparty Encryption, In-built Encryption with provision to support Thirdparty Encryption, NA				
2	Encryption	Enumerable	GOLDEN	AES 128/256 bit encryption	AES 128/256 bit encryption + Thirdparty Encryption	NA		
3	Vocoder	Enumerable	GOLDEN	AMBE+2	NA			
4	Encryption Key inclusive in the scope of supply	Enumerable	GOLDEN	Yes	No			
5	Data Communication Software with perpetual License inclusive in the scope of supply	Enumerable	GOLDEN	Yes	No			
6	In-built GPS system with accuracy of less than 10 meters	Boolean	GOLDEN	Yes	No			
7	Radio should have GIS Application protocol interface along with perpetual License software to provide locations and messaging on PC / Console	Boolean	GOLDEN	Yes	No			
8	If yes, Number of users for GIS application software (May indicate '0' if Not Applicable)	Numeric	GOLDEN	0, 25, 50, 100, 250, 500				
9	Free upgradation all Softwares during the life time of the Radio inclusive in the scope of supply	Enumerable	GOLDEN	Yes	No			
10	IP based Networking for automatic roaming etc	Boolean	GOLDEN	Yes	No			
11	Additional Features, if any (May indicate URL link)	Text (50 Ch)	Mandatory				AKBNV	
1	Good quality leather case with belt clip and shoulder strap	Enumerable	GOLDEN	Yes	No			
2	Smart Charger(Capable to charge Lithium-Ion, Ni-MH, Lithium-Polymer batteries)	Boolean	GOLDEN	Single Unit Smart Charger	Multi (six) Unit Smart Charger	Not offered		
3	Hands Free Kit (VoX unit with PTT)	Enumerable	GOLDEN	Yes	No			
4	Literature - User Manual with each radio sets provided free of cost in soft as well as hard copy	Enumerable	GOLDEN	Yes	No			
5	Literature - Technical repairing & maintenance manual with complete block diagram, circuit layout etc in soft as well as hard copy	Boolean	GOLDEN	Yes	No			
6	Programming Kit(All Necessary Programming Software and Hardware required for the set shall be provided)	Boolean	GOLDEN	Yes	No			
7	No. of Spare Batteries supplied with each radio set (in addition to the battery supplied with the equipment)	Enumerable	GOLDEN	1	2			

S.No.	Parameters	Field Type	Field Category	LOV			Remark	Unit
1	Offered model tested and approved by the MHA designated agency	Enumerable	GOLDEN	YES	No			
2	If Yes, date of the approval letter by the MHA designated agency	Text	Mandatory				AKBNV	
3	Agree to provide Advance Sample(s) for buyer's approval / Field Trial before commencement of supply	Enumerable	GOLDEN	Yes	No			
4	Number of days required to provide Advance Sample to the buyer (from the date of placement of order)	Measurable	Mandatory / Filter	Range: 1 to 15				Day
5	Valid AIP/DL/WPC LICENSE required to be provided by the buyer for execution of order (Date of Delivery Period shall be counted from the date of AIP/DL)	Mandatory	GOLDEN	Yes	No			
1	Operating Temperature	Enumerable	Mandatory	- 30 deg. C to + 60 deg. C				
2	Storage Temperature	Enumerable	Mandatory	- 40 deg. C to + 70 deg. C				
3	Humidity	Enumerable	Mandatory	Max. 95% @ + 40 deg. C - Non-Condensing				
4	Environmental Standard (i e) Low and High Temperature, Low Pressure, Temperature Shock, Solar Radiation, Rain, Salt Fog, Vibration, Dust and shock Hint:- Certificate of Any Government accredited Lab. Or NABL or ILAC approved laboratory.	Enumerable	Mandatory / Filter	MIL-STD-810 C, D, E, F or better				
5	Dust and Water intrusion	Enumerable	Mandatory / Filter	IP 57 or better				
1	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the MHA QR/specification	Boolean	GOLDEN	Yes	No			
2	If Yes, Test Report to be furnished to the Buyer on demand	Enumerable	Mandatory / Filter	Yes	NA			
3	Test Report No. and Date (hint:- May indicate 'NA' if Test Report is not available)	Text	----	Yes			AKBV	
4	Name of the Lab and Address (hint:- May indicate 'NA' if Test Report is not available)	Text	----				AKBV	

AKBNV: Allow Key But Not Value

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