

Technical Evaluation Criteria BINOCULAR TYPE 18X50 IS ALL WEATHER

TenderThe weight for the technical review will be 100 % with a minimum threshold of 80% and will be based on the following:

BINOCULAR TYPE 18X50 IS ALL WEATHER			
Criteria	Evidence	Weighting	
Previous experience	Has the Tenderer confirmed that they have a track record of at least 4 contracts for the supply and delivery of similar equipment/spares to technical companies?	15%	
Product Picture	Photos of items to be supplied submitted	10%	
A write up of the product with its technical specification.	A write-up of the item to be supplied, with its technical specifications	35%	
Specification matching the specifications as published by NTCSA.	Specification matching the NTCSA specification Provided.	40%	
Threshold		80%	
Total		100%	

BINOCULAR TYPE 18X50 IS ALL WEATHER SPECIFICATIONS

Specifications in detail

Optical Characteristics

Binocular type

Prism


Magnification	18 X	Yes/no
Objective lens effective diameter	50mm	Yes/no
Filter Size	58mm	Yes/no

Technical Evaluation Criteria

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Real Field of View	3.7°	Yes/no
Apparent Field of View	60.3° ¹	Yes/no
Field of View at 1000m	65m	Yes/no
Optical Construction		Yes/no
Objective lens construction	4 elements in 3 groups	Yes/no
Eyepiece lens construction	7 elements in 5 groups	Yes/no
UD lens	1 UD lens	Yes/no
Doublet Field Flatteners	Yes	Yes/no
Exit Pupil diameter	2.8mm	Yes/no
Eye relief	15mm	Yes/no
Prism type	Porro II prism	Yes/no
Lens coating	Super Spectra coating	Yes/no
Focusing and dioptic correction		
Focusing system	Object lens movement	Yes/no
Focusing method	Manual focus	Yes/no
Dioptic correction method	Dioptic correction ring	Yes/no
Dioptic correction range	+/- 3.0m-1 (dioptr)	Yes/no
Closest focusing distance	6m	Yes/no
Image Stabilizer		
Image Stabilizer system	Vari-Angle Prism	Yes/no
Correction angle	+/- 0.7°	Yes/no
Shake detection system	2 Gyro sensors	Yes/no
Image Stabilizer activation	Push button switch	Yes/no
Power source	2 x AA size batteries	Yes/no
Battery life	+25°C: approx 2.5 hours (-10°C: approx 10 minutes (using alkaline batteries) ¹	Yes/no
Battery level indicator	Yes (LED)	Yes/no
Physical Specifications		
Water Resistance	JIS level 4	Yes/no
Rubber coating	Yes	Yes/no
Operating conditions	-10°C to 45°C, 90% humidity	Yes/no
Width	152mm	Yes/no
Height	193mm	Yes/no
Depth	81mm	Yes/no
Weight (Excluding battery)	1180g	Yes/no
		Yes/no

Approved by: C. Bongwe

Sign: 

HV Plant Manager

Date: 23/09/2025

NTCSA North Grid