

No. U.II-98(Spec)/2014-15-Prov(BSF-SG)/Prov.I 1633

भारत सरकार/Government of India

गृह मंत्रालय/Ministry of Home Affairs

पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division

संभरण-I डेस्क /Prov.I Desk

Jaisalmer House, 26 Man Singh Road,  
New Delhi, dated the 21 Aug, 2015

To,

DsG: BSF & CRPF.

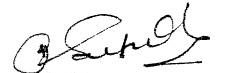
**Subject: QRs/Specification and Trail Directives of Sand Goggle for BSF.**

The undersigned is directed to refer to the subject mentioned above and to say that the **QRs/Specification and Trail Directives of Sand Goggle** as per Annex- "A" and Annex- "B", respectively have been approved by the competent authority in MHA.

2. Henceforth, BSF should trial evaluate and procure the above item, required by them, strictly as per the laid down QRs.

3. BSF will be accountable for correctness of the QRs/Specification and Trail Directives of Sand Goggle.

Yours faithfully,

  
(M. N. Sukole)

Under Secretary to the Govt. of India


Encl: As above.

Copy forwarded for necessary action to:

SO (IT), MHA - with the request to host the QRs/Specification and Trail Directives of Sand Goggle on official website of MHA (under the page of Organizational Set up, Police Modernization Division-Communication Equipments).

Copy to: DDG (Procurement), MHA

O/C

  
(R.K. Soni)  
Section Officer (Prov.I)

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Annex-A

QRS/SPECIFICATIONS OF SAND GOGGLES

S. No	Specifications
1	Scope.
1.1	"Sand Goggle" are meant for use by the BSF Personnel deployed in the field and suitable for hot desert climate in desert area of Rajasthan/Gujarat State.
1.2	The Sand Goggle described in this specification should be made from light weight poly urethane blend frame.
1.3	The Sand Goggles should meet standard ANSI z87.1-2010, EN 166 or better standards.
2	Features
2.1	Light weight, poly urethane blend frame.
2.2	Hard Coat, Single light weight polycarbonate lens.
2.3	Light tinted grey lens with light transmission more than 70% with 2.5 mm to 3.3 mm thickness for single lens system for increase protection and light transmission in bright desert condition.
2.4	Non sweat absorbing, anti-microbial and heat resistant closed cell vent foam on the outer vent ports should help to eliminate sand from entering the view port in extreme sandy conditions.
2.5	The frame and strap should be heat resistant as per ANSI Z87.1-2010, EN 166 standard or better standard.
2.6	The accessories should contain a cleaning fluid, cleaning cloth and a case goggle cover (desert/desert tan colour) which can be attached to the belt.
2.7	The frame of the goggle should fit the face to cover the eyes completely and should able to give proper stability to the goggle.
2.8	The strap of the goggle should be elastic, adjustable, stretchable and should not slip so that the user can wear it with or without helmet.
2.9	The frame of the goggle should offer a field of view of 90 degrees with still eyes and minimum 150 degrees with both eyes moving.
2.10	The colour of frame and strap of the goggle should be desert/desert tan.
2.11	The lens should have ultra violet (UV-A-B) protection as per standard EN.166, the material of the lens should also be tested and pass anti scratch EN.166 (K) and anti-fog protection EN.166(N) standards.
2.12	The complete weight of the goggle including: frame, strap, lens should not be more than 170 grams.

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(NSG) (ITBP)





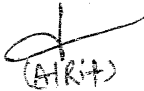
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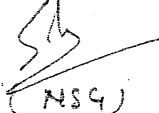
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2.13	Fix/removable padded arrangement to be put inner side of the main frame of goggle to protect eyes from extreme dust and wind during storms.
2.14	The goggle should have a soft breathable arrangement inwards of the frame.
2.15	The Sand Goggle should have Prescription wearer attachment (optional).
2.16	The life of frame should be -3 years and lens - 2 years. One additional lens to be provided with Sand Goggle.
2.17	The firm will also provide cost of following accessories separately:- (i) Spare lens (ii) Removable pad/cost of replacement of inner foam. (iii) Prescription lens insert (iv) Strap complete (v) Goggle frame.

  
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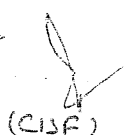

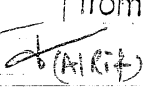
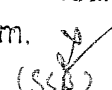
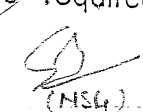
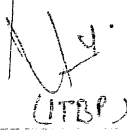
  
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TRIAL DIRECTIVES OF "SAND GOGGLES"

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Annex-B'

S. No	Specifications	Trial Directives
1	<b>Scope</b>	
1.1	"Sand Goggle" are meant for use by the BSF Personnel deployed in the field and suitable for hot desert climate in desert area of Rajasthan/Gujarat State.	
1.2	The Sand Goggle described in this specification should be made from light weight poly urethane blend frame.	National/International accredited lab test report is required from firm to specify the nature of light weight poly urethane blend frame.
1.3	The Sand Goggles should meet standard ANSI z87.1-2010, EN 166 or better standards.	National/International accredited lab test certification for ANSI z87.1-2010, EN 166 or better standards and equivalent required from the firm.
2	<b>Features</b>	
2.1	Light weight, poly urethane blend frame.	National/International accredited lab test certificate indicating type of material used for construction of Sand Goggle required from the firm.
2.2	Hard Coat, Single light weight polycarbonate lens.	National/International accredited lab test certificate indicating type of material used for construction of Lens required from the firm.
2.3	Light tinted grey lens with light transmission more than 70% with 2.5 mm to 3.3 mm thickness for single lens system for increase protection and light transmission in bright desert condition.	To be physically checked by the BOO.
2.4	Non sweat absorbing, anti-microbial and heat resistant closed cell vent foam on the outer vent ports should help to eliminate sand from entering the view port in extreme sandy conditions.	National/International accredited lab test certification on Non sweat absorbing, anti-microbial and heat resistance closed cell vent foam required from the firm.
2.5	The frame and strap should be heat resistant as per ANSI z87.1-2010, EN 166 standard or better standard.	National/International accredited lab test certification for ANSI z87.1-2010, EN 166 or better standards required from the firm.

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2.6	The accessories should contain a cleaning fluid, cleaning cloth and a case goggle cover (desert/desert tan colour) which can be attached to the belt.	To be physically checked by the BOO.
2.7	The frame of the goggle should fit the face to cover the eyes completely and should be able to give proper stability to the goggle.	The Trial Board shall physically check the frame of goggle by wearing equipment. It should give a feel of comfort.
2.8	The strap of the goggle should be elastic, adjustable, stretchable and should not slip so that the user can wear it with or without helmet.	To be physically checked by the BOO.
2.9	The frame of the goggle should offer a field of view of 90 degrees with still eyes and minimum 150 degrees with both eyes moving.	To be physically checked by the BOO.
2.10	The colour of frame and strap of the goggle should be desert/desert tan.	To be physically checked by the BOO.
2.11	The lens should have ultra violet (UV-A-B) protection as per standard EN.166, the material of the lens should also be tested and pass anti scratch EN.166 (K) and anti-fog protection EN.166(N) standards.	National/International accredited lab test report required from the vendor as per EN. 166, EN.166 (K) and EN.166(N).
2.12	The complete weight of the goggle including: frame, strap, lens should not be more than 170 grams.	To be physically checked by the BOO.
2.13	Fix/removable padded arrangement to be put inner side of the main frame of goggle to protect eyes from extreme dust and wind during storms.	To be physically checked by the BOO.
2.14	The goggle should have a soft breathable arrangement inwards of the frame.	To be physically checked by the BOO.
2.15	The Sand Goggle should have Prescription wearer attachment (optional).	To be physically checked by the BOO.
2.16	The life of frame should be -3 years and lens - 2 years. One additional lens to be provided with Sand Goggle.	To be physically checked by the BOO.

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2.17	The firm will also provide cost of following accessories separately:- (i) Spare lens (ii) Removable pad/cost of replacement of inner foam. (iii) Prescription lens insert (iv) Strap complete (v) Goggle frame.	
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*[Signature]*  
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 AC CDR

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 BSF

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