

संख्या. पी-63013/177/01(B)/2023/मोड-1/सीसुबल/ 3416-28

भारत सरकार, गृह मंत्रालय
महानिदेशालय सीमा सुरक्षा बल
(रसद निदेशालय: आधुनिकीकरण सैल)
(Email-comdtord@bsf.nic.in)
(Fax: 011-24367683)

ब्लाक संख्या . 10,
सीजीओ काम्प्लैक्स,
लोधी रोड, नई दिल्ली-03
दिनांक 22 जुलाई 2024

सेवा में,

महानिदेशक:- आसाम राईफलस (through LOAR), केन्द्रीय ओद्योगिक सुरक्षा बल,
केन्द्रीय रिजर्व पुलिस बल, भारतीय तिब्बत बोर्डर पुलिस, सशस्त्र सीमा बल,
राष्ट्रीय सुरक्षा गार्ड एवं पुलिस अनुसन्धान एवं विकास ब्योरो

विषय: अनुमोदित गुणात्मक आवश्यकता /परीक्षण निर्देशों का प्रेषण

तकनीकी विशेषज्ञों के उप समूह द्वारा किए गये सूत्रीकरण एवं महानिदेशक सीमा सुरक्षा बल द्वारा अनुमोदित "Offset Four Colour Machine" के गुणात्मक आवश्यकता/परीक्षण निर्देशों को आपकी अग्रिम कार्यवाही हेतु प्रेषित किया जाता है।

संलग्न : उपरोक्तनुसार

आनन्द सिंह
(आनन्द सिंह तक्षक) 22/7/24
उप महानिरीक्षक (रसद)

प्रतिलिपि :-




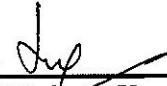
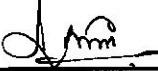
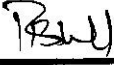
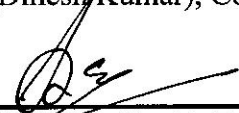
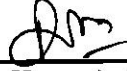


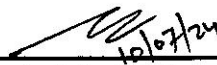
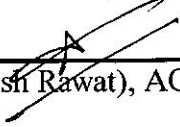

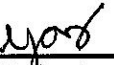
1. तकनीकी निदेशक
The Technical Director
राष्ट्रीय सूचना-विज्ञान केन्द्र, नोर्थ ब्लाक,
गृह मंत्रालय, नई दिल्ली
NIC, North Block, MHA
New Delhi, (द्वारा ई-मेल)
(ई-मेल पता : mpsugandhi@nic.in)
: आपसे अनुरोध है कि उक्त उपकरण के सूत्रीकरण किये गये गुणात्मक आवश्यकता /परीक्षण निर्देशों को गृह मंत्रालय की वैबसाईट (MHA website Division of MHA+ - Police Modernization Division- Qualitative Requirements-Qualitative Requirements of Machinery & Eqpt Items with Surveillance item) पर अपलोड करने का श्रम करें।
2. SO (IT), North Block, MHA
(Through E-mail)
(E-mail address: soit@nic.in)
: कृपया उपरोक्तनुसार कार्यवाही करने का श्रम करें।
3. तकनीकी विंग, सीमा सुरक्षा बल
: कृपया उक्त उपकरण के गुणात्मक आवश्यकता/परीक्षण निर्देशों को सीमा सुरक्षा बल की वैबसाईट पर अपलोड करने का श्रम करें।
4. Sh. Anoop Dhanvijay, Director-
Buyer Management (CPSEs &
Central Ministries), GOI. Ministry
of Commerce & Industry,
Government e-Marketplace.
Jeevan Tara Building.5-
Parliament Street. New Delhi-
110001
E-mail:-
anoop.dhanvijay@gem.gov.in
For info with request to upload the approved QRs & TDs of "Offset Four Colour Machine" on GeM Portal. Copy of QRs & TDs is attached with this letter.
5. Adm Dte (Adm-II), FHQ, BSF
: वास्ते सूचनार्थ आपके पत्र संख्या-जी-23014/01/2016/Adm-II/BSF/808 दिनांक 17 जनवरी 2024 के संदर्भ में।
6. फाईल।

QRS & TDS OF "OFFSET FOUR COLOURE MACHINE"

S No	QRs Specification	Trial Directives	Result expected / desired
	<p>SCOPE :</p> <p>(i) The Offset four colour Machine will be able to cater for the smooth functioning of Central Printing Press and be able to undertake various types of colour printing Jobs allotted by Force HQr.</p> <p>(ii) It would cater for increasing demand of colour printing. Offset printing is best suited for economically producing large volumes of high quality prints in a manner that require little maintenance.</p> <p>(iii) Four colour printing means that four different link colours are used to create a range of colours. The four colours refer to four link colours - Cyan, Magenta, Yellow, Black (CMYK).</p> <p>(iv) The advantage of four colour offset printing may be described as following :</p> <ul style="list-style-type: none"> - Consistent high image quality. Offset printing produces sharp and clean image and type more easily than, for example, letterpress printing, this is because the rubber blanket conforms to the texture of the printing surface. - Quick and easy production of printing plates. - Longer printing plate life than on direct litho presses because there is no direct contact between the plate and the printing surface. Properly developed plates used with optimized inks and fountain solution may achieve run lengths of more than a million impressions; - Cost. Offset printing is the cheapest method for producing high quality prints in commercial printing quantities. - Ability to adjust the amount of ink on the fountain roller with screw keys. Most commonly, a metal blade controls the amount of ink transferred from the ink duct to the fountain roller. By adjusting the screws, the operator alters the gap between the blade and the fountain roller, increasing or decreasing the amount of ink applied to the roller in certain areas. This consequently modifies the density of the color in the respective area of the image. On older machines one adjusts the screws manually, but on modern machines the screw keys are operated electronically by the printer controlling the machine, enabling a much more precise result. 		Must be as per Specification.
1.	Physical Characteristics		
	a) Four Colour Offset Printing Machine in metal body	To be physically checked by BOO.	Must be as per Specification.
2.	Technical Characteristics		
	a) Colour output 4 Colour	To be physically checked by BOO.	Must be as per Specification.

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	b) Maximum Sheet Size	460x640 mm (± 10mm) or 480X660mm or 530 x 750 mm	To be physically checked by BOO.	Must be as per Specification.
	c) Paper size	460x640 mm (± 10mm) or 480X660mm (18"x25" or 19"x26")	To be physically checked by BOO.	Must be as per Specification.
	d) Printing Input Method	Sheet Fed	To be physically checked by BOO.	Must be as per Specification.
	e) Minimum Sheet Size	210x250mm or 200x280mm (± 05mm)	To be physically checked by BOO.	Must be as per Specification.
	f) Maximum Print area	445x635mm (± 10mm) or 470X650 mm or 520 x 740 mm	To be physically checked by BOO.	Must be as per Specification.
	g) Plate Size	525x640mm (± 10mm) or 560X670mm or 605 x 760 mm	To be physically checked by BOO.	Must be as per Specification.
	h) Blanket Size	605 x 652mm x 1.9 OR 688 x 770mm	To be physically checked by BOO.	Must be as per Specification.
	i) Paper Thickness	50-350 GSM or above	To be physically checked by BOO.	Must be as per Specification.
	j) Compressor Motor	4 HP and above	To be physically checked by BOO.	Must be as per Specification.
	k) Printing Speed	7500 IPH or above	To be physically checked by BOO.	Must be as per Specification.
	l) Electric Panel	Fitted in machine or separate	To be physically checked by BOO.	Must be as per Specification.
	m) Type of Machine	Fully Automatic/Semi Automatic	To be physically checked by BOO.	Must be as per Specification.
	n) Work of Machine	For printing of all types of paper 350 GSM or above	To be physically checked by BOO.	Must be as per Specification.
	o) Work of printing	For printing and preparing of all types of booklets/Registers	To be physically checked by BOO.	Must be as per Specification.
	p) Use of Ink	Four Colour process Offset Ink i.e. Cyan, Magenta, Yellow and Black.	To be physically checked by BOO.	Must be as per Specification.
3	Warranty	Minimum 1 Years	OEM certificate in this regard to obtained & checked.	Must be as per Specification.
4	Service Support-	10 Years	OEM certificate in this regard to obtained & checked.	Must be as per Specification.

S No	QRs Specification		Trial Directives	Result expected / desired
5	Life of Machine	Minimum 10 Years	OEM certificate in this regard to obtained & checked.	Must be as per Specification.
6	Print impression	Minimum 5 Crore	OEM certificate in this regard to obtained & checked.	Must be as per Specification.
7	Training support by firm Engineer	1 Week Trg for operator level including minor repair and maintenance.	A certificate in this regard may be obtained from OEM	Must be as per Specification.

 (Puneet Rastogi), IPS, ADG (Log), BSF	 (S S Dabas), DIG (Welfare), BSF	 (Dinesh Kumar), Comdt. (SIW), BSF	 (Mukesh Kumar), 2IC, (SIW), BSF
 (Sasi Kumar. R), 2IC, Assam Rifle	 (Sh. Rajeev Bhatt), SSO, BPR& D	 (Kulwant Singh), DC(T), ITBP	 (Rakesh Kumar), JAD, DCPW
 (Devender Singh), DC/AIA, SSB	 (Jeewan Singh), S.W.S, NSG	 (Paras Ram), AC, BSF Academy Tekanpur	 (Ashish Rawat), AC(IT), CRPF
 (Inspr/RM Manish Raj), SIW, BSF	 (SI/Exe Yatin Anand), CISF		

Approved / Not approved

**Director General
Border Security Force**