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|--------------|--------|
| SDG/<br>ADG  | DG     |
| OFFICE OF DG |        |
| Dy. No.      | 6082   |
| Date:        | 9-7-15 |
| REC          |        |

No. P 33013/04/2015-Ord/BSF 1359  
 Bharat Sarkar/Government of India  
 Griha Mantralaya/Ministry of Home Affairs  
 PM Division/Prov.I Desk

26, Man Singh Road, Jaisalmer House  
 New Delhi, Dated 10 July, 2015

IG (Prov) A  
 DIG CPWD 13/7/15  
 Comdt - wdg

To,

DsG: AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

**Subject: Trial Directives for Tripod Turnstile Gate, Flap Gate, Full Height Turnstile Gate and Half Height Turnstile Gate.**

The Trial Directives in respect of following equipments as per Annexure have been accepted by the Competent Authority in MHA.

| Sl.No. | Name of Equipments         |
|--------|----------------------------|
| i      | Tripod Turnstile Gate      |
| ii     | Flap Gate                  |
| iii    | Full Height Turnstile Gate |
| iv     | Half Height Turnstile Gate |

HQ DG BSF N./DOR  
 Office of DIG (Prov)  
 Diary No. 640  
 Date 10-7-15

2. The CAPFs concerned will be accountable for correctness of the Trial Directives.

3. Henceforth, all the CAPFs should trial evaluate the above items required by them strictly as per the laid down Trial Directives.

Yours faithfully,

Encl: as above

*(Signature)*  
 (Manohar N. Sukole)

Under Secretary to the Govt of India  
 Tel: 23381278

Copy forwarded for necessary action to :-

The Section Officer (IT), MHA: It is requested to host the Trial Directives (soft copy attached) on the MHA website (under the page of Organizational Set up- Police Modernization Division- Qualitative Requirement under Misc. Equipment.

*(Signature)*  
 07/7/15

(Ritesh Kumar)  
 Section Officer (Prov-II)

Copy to: Director (Procurement), MHA.

*Pls. update  
 S1/4 Tapan*

|          |       |
|----------|-------|
| Ord      | 13/7  |
| SO (Ord) | 4661  |
|          | 13/7  |
|          | Tapan |



Appendix - 12 (5)

(57) (22)

**DIRECTOR GENERAL BORDER SECURITY FORCE**  
**(PROVISIONING DIRECTORATE (ORD SECTION))**

The Sub-group of Technical Experts constituted by MHA vide their letter No. IV-24011/12/2011-Prov-I dated 13 Jun 2012, No. IV-24011/12/2011-Prov-I dated 28 Dec 2012 & UO No. IV-24011/12/2011-Prov-I- 350 dated 27 Jun 2013 held its meeting at BSF Headquarters on 20 Mar 2015 and uploaded the Draft TDs on BSF and MHA websites. Again on 17 Apr 2015 meeting of sub group of technical experts was convened to formulate the Trial Directives of 'Tripod Turnstile Gate'.

After detailed deliberations the referred Sub-group has finalized the Trial Directives of 'Tripod Turnstile Gate', which are as under :-

**DRAFT TRIAL DIRECTIVES OF TRIPOD TURNSTILE GATE**

| S. No. | MHA approved specifications  |   | Draft Trial Directives                            |
|--------|--|---|---|
| 01     | Power  | 220 V: 50 Hz  | To be physically checked by the BOO by Voltmeter. |
| 02     | Current  | Less than 3 Amp                                       | To be physically checked by the BOO by Ameter.    |
| 03     | Through put  | 12 or more persons/ minute with Access Control System | To be physically checked by the BOO.              |
| 04     | Weight   | Not more than 60 Kgs.                                 | To be physically checked by the BOO.              |
| 05     | It should have positive action lock to prevent two passage at one time.                  |   | To be physically checked by the BOO.              |
| 06     | Rotor arm should have automatic positioning and revert function                          |   | To be physically checked by the BOO.              |
| 07     | It should have three arms with rotor arm height from the ground not more than one meter. |   | To be physically checked by the BOO.              |
| 08     | Walkway between 35 cms to 50 cms.  |   | To be physically checked by the BOO.              |
| 09     | Made of stainless steel.   |   | OEM certificate to be provided by the bidder.     |
| 10     | Mechanism should be motorized.   |   | To be physically checked by the BOO.              |
| 11     | It should be bidirectional.  |   | To be physically checked by the BOO.              |
| 12     | It should have light display with status & direction indication.                         |   | To be physically checked by the BOO.              |
| 13     | It should have emergency release function.   |   | To be physically checked by the BOO.              |

17/4/15      17/4/15      (S.S. MANWAR, A-E S/W, 102211)      17/4/15      17/4/15



**DIRECTOR GENERAL BORDER SECURITY FORCE**  
**(PROVISIONING DIRECTORATE (ORD SECTION))**

Appendix B3 (18)  
18/12/15

The Sub-group of Technical Experts constituted by MHA vide their letter No. IV-24011/12/2011-Prov-I dated 13 Jun 2012, No. IV-24011/12/2011-Prov-I dated 28 Dec 2012 & UO No. IV-24011/12/2011-Prov-I- 350 dated 27 Jun 2013 held its meeting at BSF Headquarters on 20 Mar 2015 and uploaded the Draft TDs on BSF and MHA websites. Again on 17 Apr 2015 meeting of sub group of technical experts was convened to formulate the Trial Directives of 'Full Height Turnstile Gate'.

After detailed deliberations the referred Sub-group has finalized the Trial Directives of 'Full Height Turnstile Gate', which are as under :-

**TRIAL DIRECTIVES OF FULL HEIGHT TURNSTILE GATE**

| S.N | MHA approved QRs/Technical specifications                              | Trial Directives                                     |   |
|-----|--|--|---|
| 01  | Height of Passage  | Not less than 2 meter                                | To be physically checked by the BOO.  |
| 02  | Width of passage   | Not less than 50 cm                                  | To be physically checked by the BOO.  |
| 03  | Through put  | 12 person/minute or more with Access Control Systems | To be physically checked by the BOO.  |
| 04  | The barrier arm should rotate 360 degree with stop at each 90 degree.  |  | Barrier arm to be rotated four times and the arm should stop when it reaches at 90 degree from the previous position. |
| 05  | It should be bi-directional with fail safe option.                     |  | To be physically checked by the BOO.  |
| 06  | It should have positive action lock to prevent two passes at one time. |  | To be physically checked by the BOO.  |
| 07  | Its cabinet should be made of stainless steel.                         |  | OEM certificate be provided by the bidder.  |
| 08  | The barrier arms should be made of stainless steel.                    |  | OEM certificate be provided by the bidder   |
| 09  | Electronic Key Bye pass. Override card reader should be provided.      |  | To be physically checked by the BOO.  |
| 10  | Time out relay should be provided.                                     |  | To be physically checked by the BOO.  |
| 11  | Plate for mounting of card reader should be provided.                  |  | To be physically checked by the BOO.  |

*(Handwritten signature)*  
B. C. JASHI) DIG, BSF  
*(Handwritten signature)*  
S. S. MAHARAJ, AC S/W (O.S.F.)  
*(Handwritten signature)* 17/4/15  
Ajay Nathani S/W (S.S.B)

*(Handwritten signature)*  
Abhinav Ranjan  
DC(Ord), CRPF  
*(Handwritten signature)*  
Thachung Rung (N.S.F.)  
*(Handwritten signature)*  
(A.K. Shukla AC(Ord))

*(Handwritten signature)* 17/4/15  
*(Handwritten signature)* 17/4/15  
Asit Ranjan Rao, S/W  
*(Handwritten signature)*  
(KAPIL, SSACE)

*(Handwritten signature)*  
Sect Under Secy  
AC 17/4/15

**APPROVED/ NOT APPROVED**

*(Handwritten signature)*  
(D K PATHAK) IPS 17/8  
DIRECTOR GENERAL  
BORDER SECURITY FORCE



**DIRECTOR GENERAL BORDER SECURITY FORCE**  
**(PROVISIONING DIRECTORATE (ORD SECTION))**

Appendix AY  
18

The Sub-group of Technical Experts constituted by MHA vide their letter No. IV-24011/12/2011-Prov-I dated 13 Jun 2012, No. IV-24011/12/2011-Prov-I dated 28 Dec 2012 & UO No. IV-24011/12/2011-Prov-I- 350 dated 27 Jun 2013 held its meeting at BSF Headquarters on 20 Mar 2015 and uploaded the Draft TDs on BSF and MHA websites. Again on 17 Apr 2015 meeting of sub group of technical experts was convened to formulate the Trial Directives of 'Half Height Turnstile Gate'.

After detailed deliberations the referred Sub-group has finalized the Trial Directives of 'Half Height Turnstile Gate', which are as under :-

**TRIAL DIRECTIVES OF HALF HEIGHT TURNSTILE GATE**

| S.N | MHA approved QRs/Technical specifications                              | Draft Trial Directives                               |   |
|-----|--|--|---|
| 01  | Height of Passage  | Not less than 1 meter                                | To be physically checked by the BOO.  |
| 02  | Width of passage   | Not less than 50 cm                                  | To be physically checked by the BOO.  |
| 03  | Through put  | 12 person/minute or more with Access Control Systems | To be physically checked by the BOO.  |
| 04  | The barrier arm should rotate 360 degree with stop at each 90 degree.  |  | Barrier arm to be rotated four times and the arm should stop when it reaches at 90 degree from the previous position. |
| 05  | It should be bi-directional with fail safe option.                     |  | To be physically checked by the BOO.  |
| 06  | It should have positive action lock to prevent two passes at one time. |  | To be physically checked by the BOO.  |
| 07  | Its cabinet should be made of stainless steel.                         |  | OEM certificate be provided by the bidder.  |
| 08  | The barrier arms should be made of stainless steel.                    |  | OEM certificate be provided by the bidder   |
| 09  | Electronic Key Bye pass. Override card reader should be provided.      |  | To be physically checked by the BOO.  |
| 10  | Time out relay should be provided.                                     |  | To be physically checked by the BOO.  |
| 11  | Plate for mounting of card reader should be provided.                  |  | To be physically checked by the BOO.  |

*[Signature]*  
12/11/15  
(B. C. JASHI) DIG, BSF

*[Signature]*  
12/11/15  
S. S. MAHAJAN, AC SIV ODDEL (BSF)

*[Signature]*  
12/11/15  
Ajithan Pillai (SSB)

*[Signature]*  
(Satinder Singh)  
AC ITBP

*[Signature]*  
Abhinav Anand  
DC (Ord), CRPF

*[Signature]*  
The Chief Insp (NSI)

*[Signature]*  
(A.K. Shukla) ACESB

*[Signature]*  
12/11/15

*[Signature]*  
12/11/15  
(Asit Ranjan Das) SSO, BSF

*[Signature]*  
(SSA(E), BPR&D)

**APPROVED/ NOT APPROVED**

*[Signature]*  
(D K PATHAK) IPS 12/8  
DIRECTOR GENERAL  
BORDER SECURITY FORCE

