



APRIL 2022

CENTRAL RESERVE POLICE FORCE



CONTENT:

- 1. Role of Works
Branch & Expenditure
Booking Report 2021-22
- 2. Important Events
- Review of progress of
CRPF Head Quarter
Building.
- 3. Special article on
- Baffle Range
- 4. Glimpse of new
works
- Bilaspur & Chennai

WORKS MAGAZINE

WORKS DIRECTORATE
GENERAL

Edition # 7

E-MAGAZINE

SPECIAL ARTICLE ON BAFFLE RANGE

The Procedure & Role of Works Branch in Expenditure Booking

Role of Works Directorate:

The Engineering Wing has been setup and technical power is accorded by Government of India / Ministry of Home Affairs (GOI/MHA) order No. II-27012/22/2018-P.F.I (C.F.No. 3424149) dated 11/05/2018 to Engineer officers. Formation of Engineering Wing in CRPF has diversified the role of works Directorate. With introduction of engineering setup it has become executing agency at par with other Public Works Organization along with supervisory agency. The Engineering officers are authorized to accord technical sanction as per their rank.

Functions:

The type of work being performed by this Branch is of technical nature. Specific nature of tasks undertaken by Works Branch is as follows:

- Detailing committee under chairmanship of Sectors IG for identifying suitable land for locating CRPF establishment.
- Placing requisition with concerned State Govt. for acquisition of land. In case where land belongs to Central Govt. PSU/Organization, requisition will be placed through MHA.
- Mooting proposals to the Govt./MHA seeking Adm approval and expenditure sanction for acquisition of land.
- Finalization of Lay Out Plan (LOP) of the campus and various other preliminary drawings for construction of residential and non-residential accommodations prepared through CPWD or

departmentally.

- Finalization of initial (Zonal) and final (Master) Lay out Plans and drawings of individual buildings. Standardization of drawing according to CRPF requirements.
- Obtaining and conveying approval of competent Authority for adopting these drawings for construction of Residential and non-residential buildings.
- Obtaining the estimates for various construction works prepared through CPWD or departmentally and processing the same for obtaining AA& ES of the competent authority and wherever necessary from CNE/Cabinet through MOF, after technical scrutiny.
- Appraisal of new works and Re-appraisal of ongoing works from MHA.
- Conveying the AA & ES to

all concerned for early start and timely completion of the construction work.

- Release of funds as per need and demand received from the concerned authorities of CPWD and various units / establishments of CRPF.
- Preparation and vetting of estimates related to Departmental Works (Major/Minor/AR&MO/SAP / Special repairs), Vetting of tender documents, issue of Technical Sanction (TS), Finalization of Tender Evaluation Committee (TEC) proceedings, Finalization of Tender Purchase Committee recommendation, Acceptance of tender and issue of work order.
- Formulation of proposals of Minor works, Major works, Swachhatta Action Plan (SAP) and Special repairs.
- Finalization of proposals for Annual Action Plan of Major Works and Minor work.
- Budget allotment under Major/Minor Works, SAP and Special repairs.
- Monitoring of physical and financial progress of works and to ensure that the financial spending is commensurate with the physical progress.
- Obtaining revised expenditure sanction in the cases where the cost over-runs the sanctioned amount.
- Disposing off Legal Notices related to works matter and

processing of arbitration cases through Law Directorate.

- Visits to the field locations, supervise the works and ensure that quality is being maintained.
- Processing proposals for hiring of accommodation with MHA for obtaining AA&ES.
- Submission of Reports/Returns to MHA.
- Finalization of contract documents / MoU with PSUs/PWOs.
- Preparation of SOP of Departmental works for Major/Minor/Special Repair work.
- Formulation of policy with regard to construction matters and maintenance of buildings.

Fund utilization as per Final Estimate 2021-22			
Name of sub head (Major work)	Final Estimate/Budget allocation 2021-22	Total expdr. as on 31/03/2022	% of Expenditure w.r.to Final Estimate (Figures in Cr.)
OB	386.42	382.04	98.87%
RB	254.7	250.08	98.19%
SAP	30	28.55	95.17%
Total	671.12	660.67	98.44%
(Minor Work)	Rs. 120.00 (Rs. 82.00 Cr.(M/W) & Rs. 38.00 Cr. (M & E)	115.52	96.27%

FUND BOOKING 2021-22:

- Covid 19 pandemic, construction activities halted / ceased during 1st Quarter due to lockdown in country.
- 20 percent expenditure restriction imposed in 2nd quarter.
- NGT banned on construction activity at NCR .
-

The Works Branch had make vigorous efforts by conducting Video Conference on 13 occasions with CPWD Divisions

EXPENDITURE REPORT

as well as with CRPF DDO's. Also conducted through telephonically for expeditious booking of maximum expenditure against allotment.

LOA Process:

- Funds allotted by MHA through finance Directorate in every financial year.
- Letter of sanction of funds to CPWD division being issued to PAO CRPF for release of funds.
- PAO, CRPF issuing letter to Pr. Account Office GOI/MHA, New Delhi for issue of **letter of Authorization** of funds.
- Pr. Account Office GOI/MHA New Delhi issuing **letter of Authorization (LOA)** of fund to CCA, MoUD Nirman Bhawan for providing funds to the CPWD Divisions.
- After issue of **letter of Authorization** by Pr. Account Office, CCA MoUD Provide funds to CPWD division for execution of work and booking of E-Lekha.



Video Conference

Review of progress of CRPF Head Quarter Building by DG CRPF & DG DPWD

IMPORTANT EVENTS

The meeting held at construction site to review the progress of construction work on 20th April 2022 at 15.00 hrs. The delegation visited the construction site and viewed the three basements and examined the progress of construction work and had the discussion with the CPWD officials.

- Shri. Gaje Singh Chief Engineer CPWD gave a detailed presentation on progress of work.
- The committees of furniture, communication and Art give the presentation of their work proposals.
- The directions was issued to the KPCL the construction company to complete the construction of HQ building by 31 March 2023.



Inauguration of 4 - 240 Men Barrack for Group Center at Sembo, Ranchi

Shri Kuldip Singh, IPS, Director General Inaugurated 4 x 240 Men Barrack for Group Centre at Sembo, Ranchi on March 02, 2022

in the presence of

Shri Nitin Agarwal, IPS, ADG,
Shri Rajiv Singh, IPS, IG,
Shri V. S. Sharma, IPS, IG, CRPF,
Shri M P Singh, Chief Engineer - Ranchi, CPWD and other officers of CRPF & CPWD.



AWARDS

WORKS DTE. OFFICERS / MEN AWARDED WITH DG'S COMMENDATION DISC AND COMMENDATION CERTIFICATE

(The following Works Dte. officers/men Awarded for their praiseworthy performance)

1. **Shri Brig Gurgopal Singh** DIG(Engr) DG's Commendation Certificate
2. **Shri Sreenivas Gujjari Comdt** (Arch) DG's Disc Silver (Adm) & Commendation Certificate
3. **Shri. B. Raveendran Nair** AC(M) DG's Commendation Certificate
4. **Shri. S.P. Singh** Insp(Stn) DG's Commendation Certificate
5. **Shri. Vijay Kumar Singh** SI(M) DG's Commendation Certificate
6. **Shri. Sankalp Meena** SI(Civil) DG's Commendation Certificate



SMART SOLUTION FOR SMALL ARMS PRACTICE FIRING:

- Conventional Classification Ranges used for firing practice with small arms are provided with a danger area extended up to 1830m behind the stop butt.
- The danger area provides a safe zone for the misdirected bullets resulting from possible errors made during practice firing.
- The area required for a classification range with full danger area is around 500 acres which is quite huge.
- These ranges were not very safe and several accidents have been reported because the free flight bullet can travel up to 3 to 4 km.
- There is an overall shortage of classification ranges primarily due to non availability of adequate and suitably situated land for constructing safe and efficient ranges.
- The Baffle range is an alternative, effective and safe facility for small arms practice firing without compromising training objectives.
- Baffle range used improvised concepts of a system of ground barriers, side walls, baffle walls and stop butt to arrest the misdirected bullets.
- The land required for a Baffle Range can be reduced to 15-20 acres by providing suitably

- designed ballistic protective structures (i.e. baffle walls, side walls, ground barriers, stop butt etc.) at specified locations, properly conditioned impact surfaces, regular upkeep of impact area and strict enforcement of safety rules/precautions in the range.
- Such a great saving of land creates a possibility of having practice firing ranges at cantonments with short availability of land due to increasing population and very high estate cost.

ADVANTAGES OF BAFFLE RANGE:

- Land requirement reduced to 20 acres.
- Promote safe and efficient firing practice.
- Designed to prevent injury to personnel and to prevent damage outside the range from misdirected firing and ricochets, if firing is executed within permissible firing errors. Includes provision for ease of maintenance.

Salient Features of Baffle Range:

- Existing Baffle Range Size: 100,200,300,400 and 500 m
 - Provided with sacrificial bullet resistant FICS (Fibers impregnated in Concrete Slurry) panels (Steel fiber 7 to 8 Percent) developed based on extensive trials.
 - Design caters for eight firers in lying, kneeling and standing position.
 - The Design provides a safety of 14 degrees in the horizontal plane and 12 degrees in vertical plane.
 - Weapons authorised on the Baffle Range include 9mm Carbine & Pistol, 5.56 mm INSAS Rifle & LMG 7.62 mm SLR, AK-47 etc.
 - Site area for Baffle range is 140m wide and (L+95)m long where L is maximum firing distance to be accommodated.
 - Enclosed type stop butt for maximum safety.
- (source : TBRL Publications)



B A F F L E R A N G E

The 180 Men Barracks Constructed at GC Sambalpur

Glimpse of New Works



" IRIS " The Lounge & Multipurpose Facility Beautifully Created in 77 BN CRPF Chennai

