

# Achievements of West Dte during the F/Y 2016-17

## Project Shivalik

Relentless efforts put in by the team of Projects on ground have resulted in landmark achievements despite the constraints of funds and procedures. Few of these are highlighted below :-

(a) **ICBR Girithidobla -Sumna** Girithidobla-Sumna is the only axis leading to Rimkhim, farthest border post on Joshimath-Rimkhim axis on Indo China border in Uttarakhand. The altitude varies from 10000 to 12000 ft. Though the connectivity between Joshimath-Girithidobla and Girithidobla-Sumna had been achieved earlier, the connectivity between Girithidobla and Sumna was yet to be achieved due to rugged terrain in high altitude with challenging weather conditions. Due to the limited working window every year only 400-80 m could be cut. However in 2016, it was taken up as a challenge to complete the balance 1.9 Km in one working season. Team of (P) Shivalik with grit and determination, worked day and night at multiple attack points, achieved connectivity on 06 Nov 2016.

(b) **Use of Cold Mix Technology**. Work on following important roads have been carried out to overcome the impediments of sanction of hot mix in protected areas :-

(i) **Road Naga-Jadhong**. Black topping work on ICB road Naga-Jadhong on Harsil Axis could not make any headway due to the ban imposed on use of hot mix technology in Gangotri National park area. Now the work has successfully been completed on 08 Nov 2016 using cold mix technology.

(ii) **Road Nelong-Naga**. 5.19 KM surfacing has been completed using cold mix on this road.

(iii) **Road Mana-Musapani** 5.8 KM Non Frost Susceptible Stone Base and 400 mtrs of black topping has been completed in this working season.

(c) **Ghastoli-Rattakona Road**. 7.00 KM equivalent CL-9 NHDL works has been completed based on Go-ahead sanction accorded .

(d) **Completion of Bhagirathi-II Bridge**. This bridge is the last bridge of three proposed bridges on Uttarkashi bye pass. Two bridges namely Indrawati (50 mtr span) and Bhagirathi-I (70 mtr span) were already completed and Bhagirathi II bridge having a span of 122.7 mtr was completed in May 2016. The completion of this bridges has helped in de-congestion of traffic in Uttarkashi town.

(e) **Shifting of BB for Sumna-Rimkhim Rd.** Provisioning of five Bailey bridge stores in the remote, difficult, rugged terrain was a herculean task. This has been completed by shifting the stores of three sets in departmental vehicles from Malari to Rimkhim. However the balance two sets have been placed at Malari to launch these bridges in next working season.

(f) **Improvement of NH Rudraprayag-Joshimath-Mana.** The stretch from Km 514.00 to 521 has been in dilapidated condition due to glaciated/severe landslide prone area. This year the, challenge was taken to improve the surface and till now 5.5 Km of layer of DBM has been completed and the top layer shall be completed before next year Yatra season.

(g) **Sanction of RAEs/AEs**

(i) One RAE of 1976 vintage pertaining to Maj **Br** got sanctioned on 27 Jul 2016.

(ii) One AE amounting to Rs 140.00 Crs for Construction/impv of road Simli-Gwaldam between Km 97.00 to Km 127.00 got sanctioned on 21 Jul 2016.

(iii) One GO- ahead sanction accorded for commencement of work on road Ghastoli- Rattakona .

## **Project Sampark**

(a) **Sanction of RAEs/AEs** (i) One AE amounting to Rs 113.59 Crs for Construction/ impvt of road BBB between Km 70.00 to Km 89.00 got sanctioned.

(ii) One C of I cum BOOs of the year 1995 got finalized from DGBR.

## **Project Hirak**

(a) In order to give further impetus to ongoing works on strategically important CSG road Ghatibagarh-Lipulekh, following actions have been taken :-

(i) Launching of two Nos BBs at Km 57.040 and Km 61.340 . This will facilitate unhindered move of traffic on this road.

(ii) Widening of a helipad at a place called Budhi at Km 19.00. This will facilitate air induct ion of V/E/Ps on this road.

(iii) Two more attack points at Km 3.70 and 4.60 have been opened,

(b) A 180' TDR BB has been launched on road Gunji kutti-Jolingkong.

**Sanction of RAEs/AEs** (i) One RDPR amounting to Rs 334.19 Crs for Construction/impv of road M- B-M got sanctioned on 24 Aug 2016.

(ii) One RAE amounting to Rs 56.84 Crs for Construction/impv of road Ghatiabagarh-Lipulekh between Km 0.00 to Km 10.00 got sanctioned on 06 Jun 2016.

(iii) One RAE amounting to Rs 53.25 Crs for Construction/impv of road Tawaghat-Ghathiabagarh between Km 10.00 to Km 19.51 got sanctioned on 19 Jul 2016.

## **PROJECT BEACON**

### **Maintenance of Jawahar Tunnel**

BRO is still continuing with maintenance of Jawahar Tunnel, even though the road NH - 1A has been handed over to NHAI. It is being ensured that the Tunnel is kept through for all traffic. For proper monitoring and ease to traffic, provision of LED lights and CCTV Cameras has been made.

### **Improvement of Road Pantha Chowk - BB Cantt**

The road from Pantha Chowk to BB Cantt which was under severe criticism from the locals and users has been improved for smooth movement of traffic and Troops.

### **Srinagar-Sonamarg-Gumri Road**

This road is considered as life line of Leh & Ladakh region. The road has been constructed and maintained to the best quality for smooth Troops and traffic movement. One KM stretch at Zozila Pass, where problem of repeated damage to road due to snow clearance/accumulation was being faced, has been surfaced with Inter Link Concrete Block pavement (ILCB).

### **Hazibal-Z-Gali-Machhal Road**

The condition of the road has been improved by black topping the Z-Gali pass and surfacing of the road between Z-Gali & Machhal.

### **Bandipur-Gurej-Dawar-Nira Road**

The road is very close to LoC. The road has been improved by use of Innovative technique of soil stabilization. Surfacing of the road on Bandipur-Gurej sector is nearing completion. Construction of permanent bridges on this road has also picked up pace.

# **PROJECT HIMANK**

## **Himank Setu ( at Km 150.40 on D-S-DBO Road).**

Braving all odds by constructing a 470 ft long equipment bridge across river Shyok, in a short period of 3 months has provided great strategic advantage to the nation and the troops deployed on this axis. The bridge was inaugurated by Lt Gen DS Hooda, GOC-in-C, Northern Command on 30 June 2016 and was opened for use of security forces and civilians of Leh – Ladakh region.

## **Tsultak Bridge (at Km 81.60 on road Karu – Tangtse).**

Construction of 40 m long steel frames superstructure bridge has been completed across Phiya Lang Nallah in a limited working window. The bridge was inaugurated by Lt Gen Shrawan Kumar, GOC 14 Corps on 19 Aug 2016 and was opened for use of security forces and civilians of Leh Ladakh region.

## **Improvement of Leh-Khardung La road.**

A drive to improve the condition of Leh-Khardung La road was initiated by Project Himank and surface of the road at critical locations has been improved for the smooth trafficability of road to a large extent.

## **Road connectivity to Daulat Beg Oldie (D-S-DBO Road).**

Works on D-S-DBO road are under progress on war footing and Project has excelled in completing planned targets for formation cutting and Black Topping activity. Work on formation cutting is progressing at a good pace thus ensuring connectivity to Army/ITBP upto DBO. Project Himank has also organized a Motor Cycle expedition to DBO wherein 26 Riders covered a distance of 350 Kms from Leh to DBO in one day thereby encouraging the users to use the road for operational/logistic requirements.

## **Road Sasoma Saser La.**

Road upto Saser La Top (Km 52.025) has been linked during F/Y 2016-17. Further improvement of the road will be carried out on receipt of Study Report of CRRRI . 5.464 Km of resurfacing between Km 7.96 to Km 13.457 has also carried out between Km 7.96 to Km 13.457.

## **Connectivity across Umling La Pass.**

Construction of road Chisumle – Demchock in Southern Ladakh to CI-9 specification is under progress. Formation cutting of 5.181 Kms has been executed near Umling La Pass during FY 2016-17. Once completed, road C-D will be the highest motorable road in the world crossing Umling La Pass at 19300 Ft higher than Leh – Khardung La road with crosses Khardung La at 18380 Ft.

### **Sanction of RAEs/AEs**

- (i) One AE amounting to Rs 98.05 Crs for Construction/impv of road D-S- DBO between Km 210.00 to Km 255.00 got sanctioned on 04 Aug 2016.
- (ii) One AE amounting to Rs 40.89 Crs for launching of 12 Nos BBs on D-S- DBO road got sanctioned on 29 Aug 2016.
- (iii) One RDPR amounting to Rs 385.37 Crs for Construction/impv of road K- P-C-Z sanctioned on 24 Aug 2016.
- (iv) One RDPR amounting to Rs 261.17 Crs for Construction/impv of road P- M recommended for sanction in HLEC held on 15 Nov 2016.

## **PROJECT ROHTANG TUNNEL**

Progress in construction of this strategically important tunnel was hampered due to presence of Seri Nallah fault zone in the alignment of the Tunnel. This hurdle has been successfully overcome on 14 Jan 2016. Total upto date progress of the Rohtang Tunnel is now 7.44 Km. The average monthly progress is now stands at 215.50 mtr .The concentrated effort are being made to complete the tunnel by the year 2019.

## **PROJECT DEEPAK**

### **Manali- Sarchu Road**

- (a) The length of this road 222.29 Km and is being developed to NHDL specifications. The total formation of 183.50 Km is completed and out of this in the current year 1.35 Km has been achieved. The surfacing work of 147.00 Km has been completed and out of this present year achievements is 28.20 Km. The resurfacing work of 4.02 Km has been done. Two Nos bridges namely Koksar-1 and Koksar MCBCs bridges on this road have been completed in this year.

### **(b) Chandra Bridge:**

On approach road to North Portal site the 170' DDR Bridge was collapsed due to heavy dumper carrying the muck from tunnel on 29 Aug 2016 and same is relaunched on 16 Sep 2016.

### **Hindustan – Tibet Road**

#### **(a) Rehabilitation of 350' BSB AKPA Bridge:**

A 350 ft BSB across river Satluj named AKPA Br damaged on 28 Apr 2016 by hitting a Mahindra dumper. In situ rehabilitation was carried out w/o delaunching the BSB which has been appreciated by one and all.

### **S - K - T - T Road**

#### **(b) Restoration of damaged 110' DSBB on S-K-T-T Road at Km 9.450**

Lote Bailey Bridge DS (110 feet) at Km 9.450 on S-K-T-T Road at alt 9300 feet, collapsed on 14 Nov due to passing of over loaded Civil Heavy Duty Trailer loaded with Excavator 300. Bridge has been relaunched by 94 RCC/38 BRTF in a record time of 7 days & Bridge opened to traffic on 22 Nov 2016. Relaunching of Bridge in record time has been appreciated by DC Lahaul & Spiti, SDM Lahaul & Spiti & SDM Udaipur .

## **PROJECT VIJAYAK**

### **Khaltse Bridge (at Km 336.74 on Z-K-L Road**

**(a)** Construction of superstructure of 75 m span Khaltse bridge was started during 2006. The RCC deck slab of the bridge could not be casted since Oct 2013 due to certain technical issues. With the consultation of IIT Madras, issues were resolved and the Br has been completed . Very shortly the bridge would be opened for traffic.

### **Connectivity to Nirag Village**

**(b)** Nimmu-Padam-Darcha is an operationally important road entrusted to project Vijayak. Project Vijayak has been able to reach “ Nirag” village via road Wangla-Fangila-Yalchung-Nirag during this year. This will facilitate to undertake work from both side of Nirag to Chilling and Kilima .

### **Formation Cutting from Kurjiakh end**

**(c)** The last point of the N-P-D road under jurisdiction of project Vijayak is Kurjiakh. With meticulous planning, the equipments were inducted across the Shinkhun La. This has created another attack point from the last end of the sector. This would facilitate telescoping the time for connecting Padam to Kurjiakh.

## **Road Bhimbat –LC**

Construction of Bhimbat-LC road has been suspended due poor geometrics and thereby observations raised by CTE during his inspection in 2011. This was inviting adverse criticism from the users/ Army formation . Based on the directions of HQ DGBR corrective works on the road has been started .

**Sanction of RAEs/AEs** (i) One AE amounting to Rs 21.02 Crs for Construction/impv of road N-P-D between Km 216.00 to Km 229.00 got sanctioned on 22 Sep 2016.

(ii) One RAE of Maj Pmt Br Khaltse got sanctioned.

## **Project Chetak**

### **Sanction of RAEs / AEs**

- (a) Total 08 Nos AEs have been sanctioned during this year.
  - (b) Total 05 Nos RAEs have been sanctioned during the year.
  - (c) Two AEs amounting to Rs 6.50 Cr pertaining to OP works (Heli Pad).
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