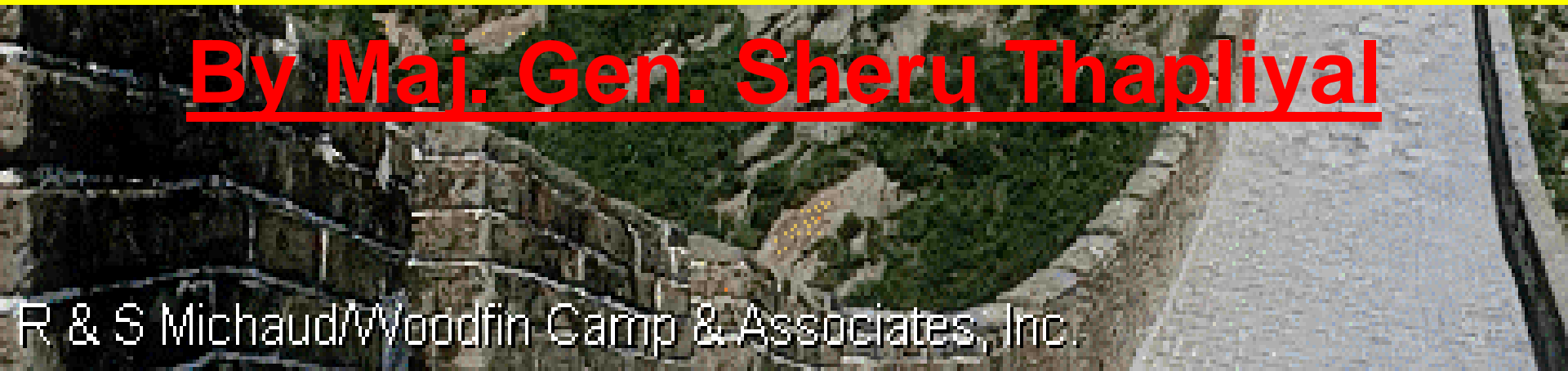




INFRASTRUCTURAL
DEVELOPMENT IN INDIA-CHINA
BORDER AREAS – A COMPARISON

By Maj. Gen. Sheru Thapliyal



STRATEGIC ROADS IN TAR

DEVELOPMENTS

- WESTERN HIGHWAY

- BLACK TOPPING FROM LHASA TO LHATSE DZ (490 KM)
COMPLETED
- BLACK TOPPING UPTO PARKHA IN PROGRESS (510KM)

- CENTRAL HIGHWAY

- LHASA TO YANGBAJAIN (90 KM) DEVELOPED AS FOUR LANE
HIGHWAY

- EASTERN HIGHWAY

- LHASA TO NGITI (400 KMS) BLACK TOPPED

GORMO – LHASA : RLY LINE & OIL PIPELINE

RAILWAY LINE

- TOTAL LENGTH 1086 KM COMPLETED.
- ELECTRIFICATION OF TRACK COMPLETED
- ASSESSED CAPACITY
 - 08 TRAINS (ONE WAY) PER DAY
 - TRAVELLING TIME – 02 DAYS
 - TOTAL TONNAGE – 600 TONNES PER DAY

OIL PIPELINE

- CAPACITY ENHANCED FROM 1.25 TO 5 LAC TONNES PER YEAR (1370 TONNES PER DAY)

INFRASTRUCTURE DEVELOPMENTS IN TAR

FACTOR	PRESENT CAPACITY	CAPACITY BY 2010	INCREASE	REMARKS
HIGHWAYS	4800 TONNES PER DAY	7100 TONNES PER DAY	2300 TONNES PER DAY	
RAILWAYS	NIL	600 TONNES PER DAY	600 TONNES PER DAY	
OIL PIPELINE	2.6 LAC TONNES PER YEAR (2003)	5 LAC TONNES PER YEAR	2.4 LAC TONNES PER YEAR	
RESERVE STOCKS	1.6 LAC TONNES	2.3 LAC TONNES	0.7 LAC TONNES	

PLA FORCE APPLICATION AND SUSTENANCE CAPABILITY IN TAR WILL INCREASE FROM CURRENT 20-22 DIVISIONS TO 30-32 DIVISIONS



INFRASTRUCTURE DEVELOPMENTS
CLOSE TO LAC



NEW CHINESE ROAD	LENGTH CONSTRUCTED	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD HEAD & DISTANCE FROM LAC
CHIP CHAP – TRIG HEIGHTS	15 KM	04 KM ON OUR SIDE OF LAC	UPTO OWN PERCEPTION OF LAC (LOCAL ROAD)
MABDOLA – KONGKA LA	10 KM	500 M SHORT OF LAC	JUST SHORT OF KONGKALA
SIRIJAP – PT 4576	8 KM (2000)	PT 4576 (4.5 KM ON OUR SIDE OF LAC)	NAGLUNG LUNGPA 15 KM (BEING EXTENDED TO POINT 4433)
CHUTICHANLA – AREA BUSH	15 KM (1999)	100 M INSIDE OUR PERCEPTION OF LAC	POINT 4715 02 KM
SETTING – IMISLA	10 KM	50 M SHORT OF IMISLA PASS	ZURSAR 10 KM

MIDDLE SECTOR : OPPOSITE HIMACHAL PRADESH

NEW CHINESE ROAD	LENGTH CONSTRUCTED	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD HEAD & DISTANCE FROM LAC
MANZA – CHURUP	13 KM	CHURUP 03 KM SHORT OF LAC (CONSTRUCTION OF ROAD AHEAD OF CHURUP IN PROGRESS)	SUGAR 04 KM
AYAK – SHIPKI	10 KM	SHIPKI 06 KM (CONSTRUCTION OF ROAD AHEAD OF SHIPKI IN PROGRESS)	CHUPPAN 05 KM

MIDDLE SECTOR : OPPOSITE UTTARANCHAL

NEW CHINESE ROAD	LENGTH OF ROAD	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD HEAD & DISTANCE FROM LAC
BOBRA – MANA PASS	45 KM	SHORT OF MANA PASS 01 KM	MUSAPANI (35 KM) (BEING EXTENDED TO GHASTOLI)
LUNGI – JINDU-NITI	22 KM	SHORT OF NITI 02 KM	MALARI (50 KM)
LUNGI – TUNJUNLA	35 KM	TUNJUNLA UPTO LAC	KM 16 (33 KM)
PULAN – LIPULEKH	26 KM	SHORT OF LIPULEKH 700 M	JIBTI (80 KM) (BEING EXTENDED)

EASTERN SECTOR : OPPOSITE EAST SIKKIM

NEW CHINESE ROAD	LENGTH OF ROAD	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD HEAD & DISTANCE FROM LAC
ASAM - JHANDORI POST – DONGCHUILA	15 KM	700 M SHORT OF DONGCHIULA	TR JUNC 03 KM
SINCHELLA – BATANGLA	07 KM	75 M SHORT OF BATANGLA	BHEEM BASE 03 KM (BEING EXTENDED TO DOKALA)
SINCHELA – DOKALA	07 KM	250 M SHORT OF DOKALA	-DO-

EASTERN SECTOR : OPPOSITE TAWANG

NEW CHINESE ROAD	LENGTH CONSTRUCTED	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD H DISTANCE FF
GORDONG – BROKEN HUT	09 KM	GORDONG CAMP 500 M	NELYA 04 KM
LE CAMP – WANGDUNG	12 KM	WANGDUNG 600 M	LUNGROLA 03 KM
KECHEN TSO – KEROZHANG	15 KM	KEROZHANG 500 M	LUNGROLA 03 KM
NANGDOH – KHARSANG LA	6 KM	KHARSANG LA 200 M (SHORT)	SUNGETSAR 07 KM

EASTERN SECTOR : OPPOSITE EASTERN ARUNACHAL PRADESH

NEW CHINESE ROAD	LENGTH CONSTRUCTED	CHINESE ROAD HEAD & DISTANCE FROM LAC	OWN ROAD HEAD & DISTANCE FROM LAC
CHAYAL DZ – LUNG	32 KM	LUNG 12 KM	LEMIKENG (65 KM) BEING EXTENDED TO TAKSING
TADANG - PURANG YUMJO	05 KM	04 KM SHORT OF THE LAC	LEMIKENG (65 KM) BEING EXTENDED TO TAKSING
BIPUNG - SHIRANG	17 KM	SIRANG	TUTING (20 KM) BEING EXTENDED TO BONA



THANK YOU