



PROJECT KILOMETER

TRAFFIC LIGHTS	
TRAFFIC SIGNS	
ESCAPE DIRECTION LAMPS	
ESCAPE DIRECTION SIGNS	
GUIDANCE SYSTEM	
TRAFFIC COUNTING	
CLOSED CIRCUIT TELEVISION	
HEIGHT CONTROL UNIT	
EMERGENCY PUSH BUTTONS	
SERVICE TELEPHONE	
SOUND SYSTEM	
TUNNEL RADIO	
FIRE ALARM PUSH BUTTONS	
SMOKE DETECTORS	
IONISATION SMOKE DETECTION SYSTEM	
FIRE EXTINGUISHER	
HYDRANTS	
STREET LIGHTING	
INTERIOR LIGHTING	
ADVANCED MEASUREMENT	
MEASUREMENT INSTRUMENTS	
JET FANS	
VENTILATION SECTION	

L.E. & E.N.D

CO AND VISIBILITY DETECTOR
AIRFLOW SENSOR
DUST/PARTICLE DETECTOR
JET FAN
TRAFFIC LIGHT
VARIABLE TRAFFIC SIGN
TRAFFIC SIGN
HEIGHT CONTROL
TRAFFIC COUNTER
CCTV-CAMERA
CCTV-CAMERA PAN AND TILT AND ZOOM
EMERGENCY TELEPHONE
EMERGENCY CALL COLUMN
EMERGENCY PUSH BUTTON
FIRE ALARM PUSH BUTTON
IONISATION SMOKE DETECTOR
LINEAR FIRE DETECTION CABLING
HYDRANT
FIRE EXTINGUISHER
SPEAKER
SERVICE TELEPHONE
LEAKY FEEDERS
AMPLIFIER
LUMINANCE CAMERA
EVACUATION ROUTE LAMP
EVACUATION ROUTE SIGN
ESCAPE DIRECTION LAMP
GUIDANCE SYSTEM
CONTROL CENTRE
JFN JET FAN NICHE
PSN POWER SUPPLY NICHE
ETN EMERGENCY TELEPHONE NICHE
CP CROSS PASSAGE
HN HYDRANT NICHE
LVN-LV
VC VENTILATION CAVERN

M 1:10,000
0 0.2 0.4 0.6 0.8 1 km

CLIENT

Border Roads Organisation
saha saha samra
Bardonia
The Chief Engineer
Border Roads
C/O S. JFN
INDIA

PROJECT

Consultancy Services for Detailed Feasibility Study and Framing up of Provisions proposal (DPR) for construction of two tunnels (Z-morh and at Zojing) for a roadster connectivity from Srinagar to Leh in Jammu & Kashmir State
Z-MORH TUNNEL

Contract Ref. No.: CE/PI/BS/MS/2008/10

CONTRACTOR

3G GROUP ETEC/TECHNIK GRMZ
3G GROUP ETEC/TECHNIK GRMZ
3G GROUP ETEC/TECHNIK GRMZ
3G GROUP ETEC/TECHNIK GRMZ

DESIGN

DATE: 2012/06/14
DRAWN: 2012/06/14
APPROVED: 2012/06/14
REVISION: 2012/06/14

NAME

GENERAL: KALASH
SCALE: 01/10/00