

IMPROVEMENT ENVISAGED TO RAILWAY NETWORK IN COLOMBO METROPOLITAN REGION AND INVESTMENT POTENTIAL

ENG./PLNR. NIHAL SOMAWEERA

CONSULTANT, COLOMBO SUBURBAN RAILWAY PROJECT

TRAFFIC SITUATION IN COLOMBO

- Colombo Attract 1.7 Mn People on Daily Basis
- Annual Increase of Arrival Recorded 5% Increase
- Private Modes are More Popular
- Very Slow Vehicle Speed in City Roads
- Increasing Congestion and Pollution
- Congestion cost to the Economy is Estimated half a billion Rupees a Day
- Railway covers Four out of Seven Main Transport Corridors
- Only 12% Use Railway

LAND USE AND TRANSPORT MASTER PLANS COMPLETED FOR COLOMBO

- Megapolis Master Plan
- Transport Master Plan 2014(JICA)
- Review of Transport Master Plan by UOM in 2015
- Transport Policy by MT&CA
- Railway Master Plan (ADB)

PROBLEMS OF RAILWAYS IDENTIFIED IN TRANSPORT MASTER PLAN 2014

- Insufficient Linkage
- Lack of Feeder Service for Railways
- Insufficient Integration among Public Transport
- Lack of Railway Access to International Airport
- Slow Operational Speed of Trains
- Deteriorated Rolling Stock, Tracks and Signaling System
- Insufficient Line Capacity
- Low Level of Service of K V Line
- Insufficient Revenue and Expenditure for Maintenance

PRIORITY PROJECTS IDENTIFIED

- Railway Efficiency Improvement project
- Colombo Suburban Railway Project
- Light Rail Transit Project
- Bus Priority Project
- Bus Rapid Transit Project

OBJECTIVES AND PROJECTS UNDER RAILWAY EFFICIENCY IMPROVEMENT PROJECT(REIP)- 190 MN \$

- Improvement of the Efficiency of Present Railway Operations
 - New Island-wide Railway Telecommunication System –tender award
 - Railway Ticketing and Seat Reservation – Tender award
 - Operation Headquarters and Train Control Center – Tender closed
- Maintenance Capacity Improvements
 - New Workshop and Stores – Tender stage
 - Traction Motor Repair Equipment
 - Universal Armacher Machine
 - Milling Machine
 - Tie Tamping Machine
 - Ballast Profiling Machine
- Project Readiness Improvement and Implementation facilities
 - Relocation Housing - Tender closed

COLOMBO SUBURBAN RAILWAY PROJECT

- Up grade and Electrification of Suburban Railway network of 210 Km
 - Kelani Vally Line – Colombo to Avissawella (64 Km)
 - Main Line – Colombo to Rambukkana (83 Km)
 - Coastal Line – Colombo to Kalutara (43 Km)
 - Negombo Line and Airport Link – Ragama to Negombo (23 Km)

PRESENT STATUS OF CSR

- Pre-feasibility Completed by EGIS International of France using ADB grant
- Detail Feasibility and Detailed Design Consultancy Awarded to Dohwa Engineering, Korea
- Feasibility and Detail Design Completed for Kelani Vally Line
- Feasibility and Detailed Design for Other Three Lines in Progress

PRESENT STATUS OF KELANI VALLEY LINE (MARADANA TO AVISSAWELLA)

- Detailed Design Completed
- Draft Bid Document Nearing Completion
- EIA Report Submitted to CEA
- Resettlement Plan Completed up to Malapalla
- National Planning Approval Received

PROJECT FEASIBILITY – KELANI VALLEY LINE

- Investment Cost - 1.42 Bn US\$
 - Construction Cost - 53%
 - Rolling Stock - 18%
 - Modern Systems - 9%

- EIRR - 15.78%
- ENPV - 1967 US \$ Mn
- B/C - 2.73

KELANI VALLY LINE – PHASE I

- Elevated Double track up to Makumbura (19.5 Km)
- At Grade Double line up to Padukka (15.5Km)
- Proposed railway Development will Make Use of Existing ROW thereby Minimizing Land Acquisition
- No Road Fly Overs, Parallel Roads and Fencing Necessary up to Makumbura as Railway Line is elevated
- UDA agreed to release 1244 housing units for relocation
- Work on another 120 houses will commence soon at Malapalla
- Re-location of Families will commence once EIA approval Received
- Bids for Phase I will be called by 2021



CSRP ; KV LINE , VERTICAL ALIGNMENT

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Proposed Station at Kotta Road

PROPOSED STATION DESIGN - KV LINE

CSRP ; KV LINE , STATION DESIGN-CONNECTION TO CASTEL HOSPITAL AND DEVI B.SCHOOL



Rectangular Strip

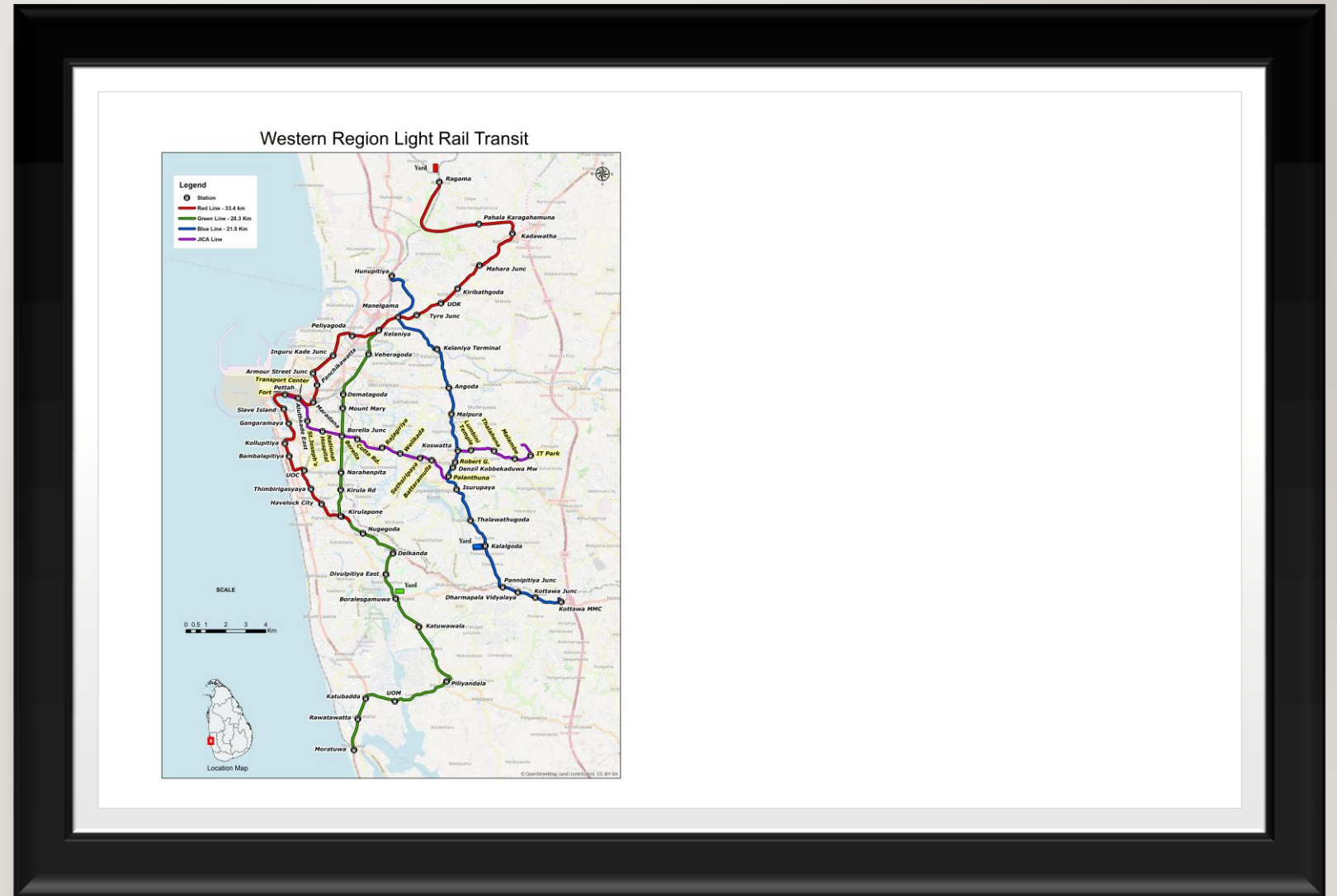
CSRP KV Line Phase 1

Cotta Road Station

PROPOSED MULTIMODAL HUB AT COLOMBO FORT



LIGHT RAIL TRANSIT PROJECTS



PRIORITY LRT LINES

- Red Line from Ragama to Kirulapana
 - 33 Kms with travel time 60 mts – Estimated cost 1700 Mn SLR
 - RFP called and being Evaluated
- Purple Line from Malabe to Fort via Borella (JICA Line)
 - 16 Km and Estimated Cost is US \$ 4 Bn
 - Detailed Design is in progress

land → Integration of complementary uses, Development Opportunities

- Transit Orient Development
- Recreational Activities
- Visual Amenity
- Public Space
- Parking
- Walkways and Bicycle paths
- Green environment



OPPORTUNITIES FOR CONSTRUCTION INDUSTRY

- Civil construction
- Modern Services
- Real Estate Projects in Transit Oriented Development Areas next to Stations
- Place making Projects
- Operation and Maintenance Activities

THANK YOU

