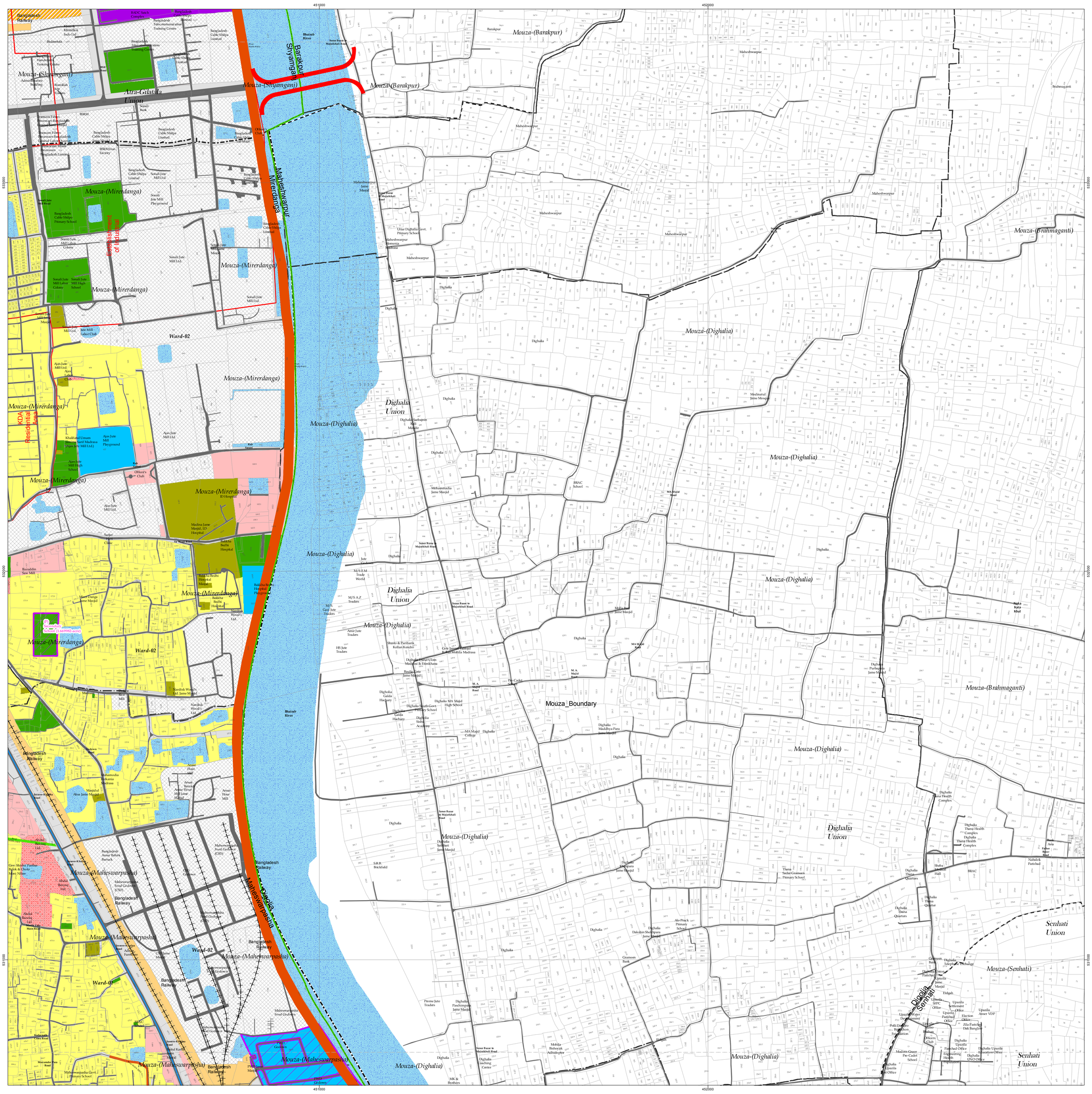
1:3960

COMPREHENSIVE DETAILED AREA PLAN

Sheet No. **G07**



CONSULTANTS

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Data Experts (Pvt.) Limited
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Preparation of Detailed Area Development Plan for Khulna Master Plan (2001) Area

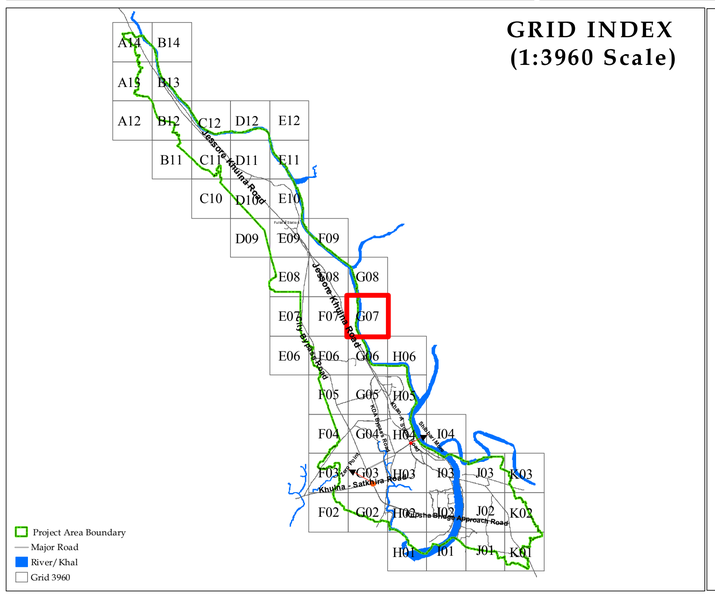
Khulna, Bangladesh

Scale 1:3960 or 1 cm = 39.6 m or 1 inch = 330 feet

Government of the People's Republic of Bangladesh
Ministry of Housing and Public Works

KHULNA DEVELOPMENT AUTHORITY (KDA)
KDA Bhaban, Khulna, Bangladesh

GRID INDEX (1:3960 Scale)



- Study Area Boundary
- District Boundary
- Upazila Boundary
- Union Boundary
- City Corporation/Paurashava Boundary
- Ward Boundary
- Proposed Metro Rail
- Proposed Tramline
- Proposed Tunnel
- Plot Boundary (from Mouza Map)
- Existing Railway
- Proposed Road
- Widened Road
- Project Area Boundary
- Mouza Boundary
- Circulation Network
- Land Acquisition
- Industry NC
- Proposed Services
- Property of Bangladesh Railway
- Khal/Canal
- Proposed Foot Over Bridge
- Proposed Railway Bridge
- Proposed River Bridge

Proposed Landuse

- Agriculture
- Transport (RoW)
- Commercial
- Education and Research
- Government Service
- Industry
- Urban Green
- Mixed Use
- Recreational Facility
- Residential
- Restricted Area
- Transport Services
- Service Activity
- Waterbody

Data Source

Map contents mainly based on extensive field survey. Topographic, Physical Features and Landuse data as per field survey conducted by datEx survey team using RTK GPS, Total Station and Optical Level under the supervision of PMO and Consultant's Team Members. City Corporation, Paurashava, Ward and Union boundaries have been derived from the secondary source maps of concern authorities.

Projection System: Bangladesh Transverse Mercator (BTM)

Spheroid	: Everest 1830
	Semi-major axis a = 6,377,276.34518m
	Semi-minor axis b = 6,356,075.41511m
	Inverse flattening 1/f = 300.8017
False Easting	: 500,000m
False Northing	: -2,000,000m
Latitude of Origin	: 0° N
Central Meridian	: 90° E
Scale Factor	: 0.9996
Datum Conversion Method	: Seven Parameters
Datum Shift	: WGS-84 to Everest 1830
	Rotation X : 0
	Rotation Y : 0
	Rotation Z : 0
	Translation X : -283.729m
	Translation Y : -735.942m
	Translation Z : -261.143m
	Scale : 1 ppm

Vertical Datum: National Datum i.e. MSL (SoB reference datum)

Reference Bench Mark (BM)

Horizontal (for Latitude & Longitude)

1. SOB GPS-502: South-west corner of the Nowapar College Playground, Avoynagar, Nowapara, Jessore.
2. SOB GPS-134: South-west corner of Batiaghata Pilot High School Playground. It is south-west corner of the Bazar and 200m south of Batiaghata Upazila Parishad and College, Batiaghata, Khulna.

Vertical (for Reduce Level/RL adjustment)

1. SOB BM-1035: Close to boundary wall of Rupsa Railway mosque, 14m east from north-east corner of the mosque, Rupsa, Khulna.
2. SOB BM-1036: 335m east from Gallamari Bridge, around 2m south side of Khulna-Satkhira road.

Survey Period	:	February 2011 to June 2012
Date of Map Print	:	14 May, 2014

Consultant: DDC-datEx	Client: KDA
Team Leader	Project Director