Schedule – C

(See Clause 2.1)

PROJECT FACILITIES

1 Project Facilities

The Contractor shall construct the Project Facilities in accordance with the provisions of this Agreement. Such Project Facilities shall include:

a) Toll Plaza[s];

b) Roadside Furniture;

c) Pedestrian Facilities;

d) Tree Plantation;

e) Truck Lay-Byes;

f) Bus-Bays and Bus Shelters;

g) Rest Areas; and

h) Others to be specified

2 Description of Project Facilities

Each of the Project Facilities is described below showing:

a) Toll Plaza:

1 No. of toll plaza shall be provided at existing chainage 570.850.

Specifications and other requirements of the toll plazas shall be strictly as per Schedule-D. Rigid Pavement shall be constructed for the Toll Plaza area including the transition portion.

b) Road side Furniture

(i) Traffic Signs and Pavement Markings:

Traffic signs and pavement markings shall include road side signs, overhead signs, curve mounted signs and road marking along the project highway. The locations for these provisions shall be finalised as per manual.

(ii) Concrete Crash Barrier, Metal beam crash barrier, Separators (MS railings) wherever required as per manual.

(iii) Traffic Safety Devices wherever required

(iv) Boundary Stones

(v) Hectometer / Kilometer Stones

(vi) Traffic Blinker Signal (L.E.D) shall be provided at all At-grade junctions, median opening, schools, hospitals, police station, places of worship and institutional buildings etc.

(vii) Overhead signs: 3 Nos. (Excluding overhead signs at Toll Plaza location which are as given in Schedule- D) shall be provided.

(viii) Delineators and Studs: Studs (100mm x 100mm) with reflective panels of dual prismatic cube capable of providing total reflection of light entering the lens face for lane marking and delineators for night time visibility shall be provided for the entire project Highway.

c) Pedestrian Facilities

The additional pedestrian facilities in the form of guard rails, footpath, lighting etc. shall be provided wherever required.

d) Landscaping and Tree Plantation

Landscaping of the highway shall be done on, but not limited to, the following:

Median
Grade Separated intersections
Entry and Exit ramp
At grade islands of intersection locations
Toll Plaza Area

e) Truck Lay- byes: Truck lay-byes shall be provided at following locations:

Sr. No.	Existing Chainage (km)	Side	Name/ Location
1	563.517	Both Side	Khowang

f) Bus-bays and Bus Shelter: Bus-bays shall be provided at following locations:

S. No.	Existing Chainage	Side	Name / Location
1	564.061	Both	Khowang
2	581.155	Both	Borbarauah

g) Others

1. Highway Lighting shall be provided as per Schedule-D (Manual of Specifications and Standard for 4-Laning of Highways IRC:SP:84-2014). However, the lighting in built up areas shall be provided in consultation with AE/ Employer.

2. Highway Patrol

The Contractor shall provide Highway Patrol Vehicles in adequate number as per Clause 12.8 of the manual and this agreement.

3. Medical Aid Post: As per Article 21.

4. Cranes:

The Contractor shall provide a crane of adequate capacity (minimum 20 MT) at each Toll plaza location (s) with all necessary equipment so that it can reach the site of the incident within 30 minutes of call and clear the disabled/accidented vehicles. It shall also be fitted with a GPS based Vehicle Tracking system to monitor its movement on 24 hours x 7 days of a week basis.

5. Traffic Aid Post

6. ECBs (Emergency Call Boxes)

ECBs (Emergency Call Boxes) with loud speaker, micro phone, activation button with LED indicating conversation, shall be housed in a vandal proof casing and operate in full to play mode in noise level of up to 95 decibels within built diagnostic features for automatic detection in case of damage by any object. Mobile communication system shall comprise the mobile radio base stations and control centre equipments. It shall have provision for mounted mobile set on ambulances, trains & patrolling vehicles. The system shall have the facility to connect mobile to mobile, mobile to controller and controller to mobile along with the systems for waiting, holding and transfer of calls. The system shall use pair frequencies to be allotted to the Contractor with the approval of wireless planning & coordination (WPC), Department of Telecommunications and shall operate for full duplex mode.