

## **Schedule A**

(See Clause 2.1 and 8.1)

### **SITE OF THE PROJECT**

#### **1 The Site**

- 1.1 Site of the Project Highway shall include the land, buildings, Structures and road works as described in Annex-I of this Schedule-A.
- 1.2 The dates of handing over the Right of Way to the Contractor are specified in Annex-II of this Schedule-A.
- 1.3 An inventory of the Site including the land, buildings, structures, road works, trees and any other immovable property on, or attached to, the Site shall be prepared jointly by the Authority Representative and the Contractor, and such inventory shall form part of the memorandum referred to in Clause 8.2.1 of this Agreement.
- 1.4 The alignment plans of the Project Highway are specified in Annex-III. In the case of sections where no modification in the existing alignment of the Project Highway is contemplated, the alignment plan has not been provided. Alignment plans have only been given for sections where the existing alignment is proposed to be modified.
- 1.5 The status of the environment clearances obtained or awaited is given in Annex-IV.

## Annex – I (Schedule-A) Site

### 1. Site

The Site of the Project Highway comprises the section of Wokha-Merapani Road from (26/000) to (48/000) in the State of Nagaland. The land, carriageway and structures comprising the site are described below.

### 2. Land

The Site of the Project Highway comprises the land described below:

Sl No	Chainage (Km)		Existing ROW (m)	Land use
	From	To		
1	32100	32400	15	Built-up Area
2	39800	40150	17	
3	40750	40850	15	
4	41200	41350	15	
5	26000	32100	25	Hill Area
6	32400	35000	17	
7	35000	39800	22	
8	40150	40750	15	
9	40850	41200	15	
10	41350	48000	15	

### 3. Carriageway

The present carriageway of the Project Highway is intermediate. The type of the existing pavement is **flexible**. Details of carriageway & pavement are as under.

Design Chainage (km)		Carriageway Width (m)	Earthen Shoulders	
From	To		Left	Right
26/000	48/000	5	1	1

### 4. Major Bridge

The Site includes the following Major Bridges:

Sl No	Design Chainage (km)	Type of Structure			No of Spans with span Length	Width (m)
		Foundation	Sub-Structure	Super-Structure		
Nil						

### 5. Road Over-Bridges (ROB)/ Road under-bridges (RUB)

The Site includes the following ROB (road over railway line)/ RUB (road under railway line):

Sl No	Chainage (km)	Type of Structure		No of Span with span length (m)	Total Width (m)	ROB/RUB
		Foundation	Super Structure			
NIL						

## 6. Grade separators

The Site includes the following grade separators:

Sl No	Chainage (km)	Type of Structure		No of Span with span length (m)	Total Width (m)	ROB/RUB
		Foundation	Super Structure			
Nil						

## 7. Minor Bridges

The Site includes the following Minor Bridges:

Sl No	Design Chainage (km)	Type of Structure			No of Spans with span Length	Width (m)
		Foundation	Sub-Structure	Super-Structure		
1	40/570	Open foundation	RCC	Steel girder	1 x 22.87	3.84

## 8. Railway Level Crossings

The Site includes the following railway level crossings:

Sl No	Existing Chainage (km)	No of Tacks	Remarks
Nil			

## 9. Underpasses (vehicular, non-vehicular)

The Site includes the following underpasses:

Sl No	Design Chainage (km)	Type of Structures	No of Span with Span Length (m)	Width (m)
Nil				

## 10. Culvert

The Site has the following culverts:

### 10.1 List of Pipe Culverts

Sl No	Existing Chainage (km)	Design Chainage	Existing Type of Structures	Existing Span Arrangement (m)	Existing Width (m)
1	-----	26.620	HP	1 X 0.9	7.5
2	-----	26.710	HP	1 X 1.0	7.5
3	-----	26.880	HP	1 X 0.9	7.5
4	-----	27.050	HP	1 X 1.0	7.5
5	-----	27.110	HP	1 X 1.0	7.5
6	-----	27.230	HP	1 X 0.9	7.5
7	-----	27.840	HP	1 X 3.3	7.5
8	-----	27.890	HP	1 X 0.9	7.5
9	-----	28.430	HP	1 X 0.6	7.5
10	-----	28.930	HP	1 X 0.9	10
11	-----	29.155	HP	1 X 0.6	7.5
12	-----	29.390	HP	1 X 0.9	7.5

13	-----	29.460	HP	1 X 0.9	7.5
14	-----	30.140	HP	1 X 1.0	7.5
15	-----	30.190	HP	1 X 0.9	7.5
16	-----	30.400	HP	1 X 1.0	7.5
17	-----	30.870	HP	1 X 1.0	7.5
18	-----	30.950	HP	1 X 0.9	7.5
19	-----	31.140	HP	1 X 0.9	7.5
20	-----	31.700	HP	1 X 0.9	7.5
21	-----	31.800	HP	1 X 0.9	7.5
22	-----	32.250	HP	1 X 1.0	7.5
23	-----	32.590	HP	1 X 1.0	7.5
24	-----	32.710	HP	1 X 0.9	7.5
25	-----	32.800	HP	1 X 1.0	10
26	-----	32.860	HP	1 X 1.0	7.5
27	-----	32.910	HP	1 X 1.0	7.5
28	-----	<b>33.090</b>	HP	1 X 0.9	7.5
29	-----	33.180	HP	1 X 0.9	10
30	-----	33.400	HP	1 X 1.0	7.5
31	-----	33.620	HP	1 X 0.6	7.5
32	-----	33.715	HP	1 X 0.9	7.5
33	-----	33.770	HP	1 X 0.9	7.5
34	-----	33.870	HP	1 X 0.9	7.5
35	-----	33.955	HP	1 X 0.9	7.5
36	-----	34.080	HP	1 X 0.9	7.5
37	-----	34.110	HP	1 X 1.0	7.5
38	-----	34.290	HP	1 X 0.9	7.5
39	-----	34.470	HP	1 X 0.9	7.5
40	-----	34.620	HP	1 X 1.0	7.5
41	-----	34.700	HP	1 X 0.9	7.5
42	-----	34.750	HP	1 X 0.9	7.5
43	-----	34.880	HP	1 X 0.6	7.5
44	-----	34.940	HP	1 X 0.9	7.5
45	-----	34.960	HP	1 X 0.9	7.5
46	-----	35.380	HP	1 X 1.0	7.5
47	-----	35.890	HP	1 X 1.0	7.5
48	-----	36.310	HP	1 X 0.9	7.5
49	-----	36.400	HP	1 X 0.9	7.5
50	-----	36.710	HP	1 X 0.9	7.5
51	-----	36.760	HP	1 X 0.9	10
52	-----	36.900	HP	1 X 0.9	7.5
53	-----	36.980	HP	1 X 0.9	7.5
54	-----	37.740	HP	1 X 1.0	7.5
55	-----	38.220	HP	1 X 0.9	7.5
56	-----	38.320	HP	1 X 0.9	7.5
57	-----	38.470	HP	1 X 0.9	7.5
58	-----	38.690	HP	1 X 0.9	7.5
59	-----	38.910	HP	1 X 0.9	10
60	-----	39.000	HP	1 X 1.0	7.5
61	-----	39.500	HP	1 X 0.9	7.5
62	-----	39.600	HP	1 X 0.9	10
63	-----	39.980	HP	1 X 0.9	7.5
64	-----	<b>40.130</b>	HP	1 X 0.9	10
65	-----	40.230	HP	1 X 0.9	7.5

66	-----	40.400	HP	1 X 0.6	7.5
67	-----	40.820	HP	1 X 0.9	10
68	-----	40.970	HP	1 X 0.6	7.5
69	-----	41.250	HP	1 X 1.0	7.5
70	-----	41.290	HP	1 X 0.9	10
71	-----	41.480	HP	1 X 1.0	7.5
72	-----	41.700	HP	1 X 0.9	7.5
73	-----	41.900	HP	1 X 0.6	7.5
74	-----	42.030	HP	1 X 0.9	10
75	-----	43.015	HP	1 X 0.9	10
76	-----	43.130	HP	1 X 0.9	7.5
77	-----	43.520	HP	1 X 0.9	7.5
78	-----	43.660	HP	1 X 0.9	7.5
79	-----	43.730	HP	1 X 0.6	7.5
80	-----	43.760	HP	1 X 0.9	7.5
81	-----	43.850	HP	1 X 0.9	7.5
82	-----	43.900	HP	1 X 0.9	7.5
83	-----	45.620	HP	1 X 0.9	10
84	-----	45.880	HP	1 X 0.9	7.5
85	-----	47.040	HP	1 X 0.6	7.5
86	-----	47.730	HP	1 X 0.6	7.5

## 10.2 List of Slab/Box/Arch Culverts

Sl No	Existing Chainage (km)	Design Chainage (km)	Existing Type of Structures	Existing Span Arrangement (m)	Existing Width (m)
1	-----	27.550	SLAB	1 X 3.3	6.2
2	-----	37.480	SLAB	1 X 3.0	6
3	-----	37.975	SLAB	1 X 5.8	6.5

## 10.3 List of causeways:

Sl No	Existing Chainage (km)	Design Chainage	Existing Type of Structures	Existing Span Arrangement (m)	Existing Width (m)
Nil					

## 11. Bus bays

The details of bus bays on the Site are as follows:

Sl No	Design Chainage (km)	Length (m)	Left Hand Side	Right Hand Side
Nil				

## 12. Truck Lay bays

The details of truck bays on the Site are as follows:

Sl No	Design Chainage (km)	Length (m)	Left Hand Side	Right Hand Side
Nil				

## 13. Road Side Drains

The road stretch drain detail is provided in the table below.

Sl No	Design Chainage (km)	Length (m)	Left Hand Side	Right Hand Side
Nil				

## 14. Major Junctions

The details of the minor junctions are as follows:

Sl No	Design Chainage (km)	Category of Road	Type of Junction	Remarks
Nil				

## 15. Minor Intersections along project

There are minor junctions in the project stretches:

Sl No	Design Chainage (km)	Side (Left/Right)	Carriageway Width in m	
			Left	Right
1	32/232	Left	4.75	
2	32/254	Right		3.3
3	40/738	Left	3.16	
4	41/061	Right		4.35
5	41/100	Right		1.88
6	41/147	Left	3.71	

## 16. By-pass The details of Bypasses are as follows:

Sl No	Name of Bypass (Town)	Design Chainage (Km) From..... To	Length in km	Carriageway	
				Width (m)	Type
Nil					

## 17. Other structures

The road has existing structures at the following locations.

Sl No	Design Chainage (Km)	Type of Structure	Side	Details	
				Width (m)	Length (m)
1	26/607-26/612	Guard Wall	Left	0.6	5
2	26/642-26/647	Guard Wall	Left	0.6	4.8
3	26/704-26/709	Guard Wall	Left	0.6	4.8
4	26/722-26/727	Guard Wall	Left	0.6	5.16
5	26/795-26/802	Guard Wall	Left	0.6	6.8
6	27/242-27/245	Guard Wall	Left	0.6	2.5
7	27/307-27/320	Guard Wall	Left	0.6	12.4
8	27/462-27/475	Guard Wall	Left	0.6	13.14
9	27/974-27/985	Guard Wall	Left	0.6	11.6
10	28/523-28/535	Guard Wall	Left	0.6	12
11	29/518-29/523	Guard Wall	Left	0.6	5.05
12	30/057-30/067	Guard Wall	Left	0.6	9.6
13	30/115-30/122	Guard Wall	Left	0.6	6.6
14	30/159-30/165	Guard Wall	Left	0.6	6.3
15	31/127-31/130	Guard Wall	Left	0.6	2.8
16	31/154-31/157	Guard Wall	Left	0.6	2.4
17	32/288-32/318	Guard Wall	Right	0.6	29.6
18	32/320-32/337	Guard Wall	Left	0.6	17.12
19	32/557-32/565	Guard Wall	Left	0.6	5.5
20	36/760-36/763	Guard Wall	Left	0.6	2.92
21	36/763-36/769	Guard Wall	Left	0.6	6.6
22	36/892-36/894	Guard Wall	Left	0.6	2.4
23	36/968-36/970	Guard Wall	Left	0.6	2
24	36/990-36/996	Guard Wall	Left	0.6	5.8

25	37/462-37/464	Guard Wall	Right	0.6	2.3
26	37/470-37/472	Guard Wall	Left	0.6	2
27	37/573-37/584	Guard Wall	Left	0.6	11.7
28	37/838-37/847	Guard Wall	Left	0.6	9.6
29	38/617-38/627	Guard Wall	Left	0.5	9.3
30	38/692-38/707	Guard Wall	Left	0.5	14.724
31	38/764-38/766	Guard Wall	Left	0.5	2.2
32	39/771-39/781	Guard Wall	Right	0.6	10.07
33	40/544-40/550	Guard Wall	Left	0.6	6.6
34	40/544-40/558	Guard Wall	Right	0.6	14
35	40/573-40/600	Guard Wall	Right	0.6	26/8
36	40/573-40/599	Guard Wall	Left	0.6	25
37	40/590-40/607	Guard Wall	Right	0.6	16.4
38	40/591-40/591	Guard Wall	Right	0.6	0.8
39	40/821-40/867	Guard Wall	Right	0.6	46.3
40	40/849-40/853	Guard Wall	Left	0.6	4.02
41	40/934-40/937	Guard Wall	Left	0.6	2.7
42	40/970-41/002	Guard Wall	Left	0.6	31.7
43	41/147-41/164	Guard Wall	Left	0.6	17.2
44	41/647-41/348	Guard Wall	Left	0.6	1.14
45	41/667-41/671	Guard Wall	Right	0.6	3.8

**Annex II**  
(Schedule-A)  
**Dates for providing Right of Way**

The dates on which the Authority shall provide Right of Way to the Contractor on different parts of the Site are stated below:

S. No	Design chainage (From km to km)	Length (km)	Width (m)	Date of providing ROW
1	32/100-32/400	0.300	15	At appointed date
2	39/800-40/150	0.350	17	At appointed date
3	40/750-40/850	0.100	15	At appointed date
4	41/200-41/350	0.150	15	At appointed date
5	26/000-32/100	6.100	25	At appointed date
6	32/400-35/000	2.600	17	At appointed date
7	35/000-39/800	4.800	22	At appointed date
8	40/150-40/750	0.600	15	At appointed date
9	40/850-41/200	0.350	15	At appointed date
10	41/350-48/000	6.650	15	At appointed date



**Annex – III**  
*(Schedule-A)*  
**Alignment Plans**

The existing alignment of the Project Highway shall be modified in the sections as per the alignment plan indicated in the enclosed Alignment Plans.

**Annex – IV**  
*(Schedule-A)*  
**Environment Clearances**

Environmental clearances not required