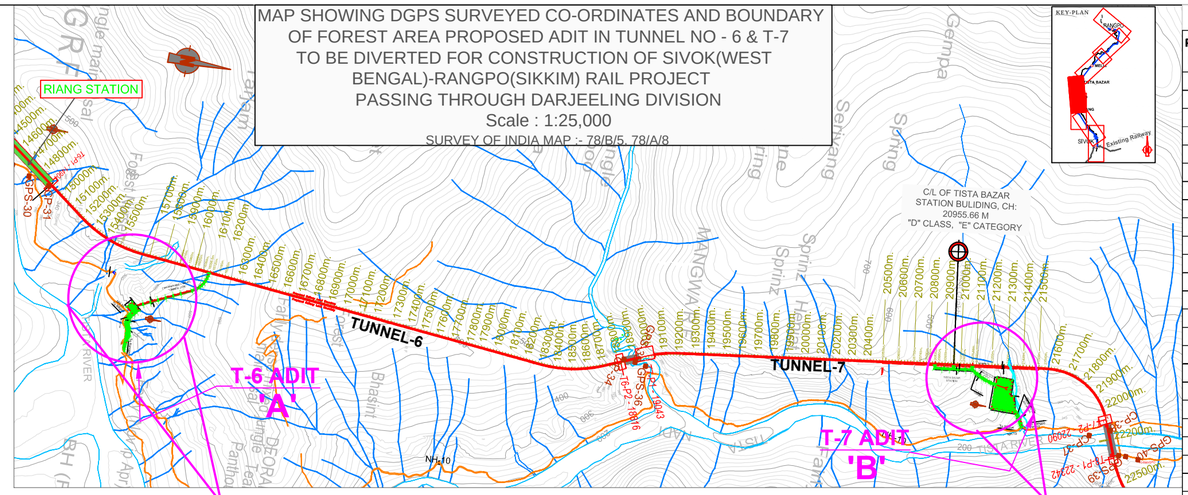
Co-ordinate of Forest Pillar for Tunnel T6 Adit

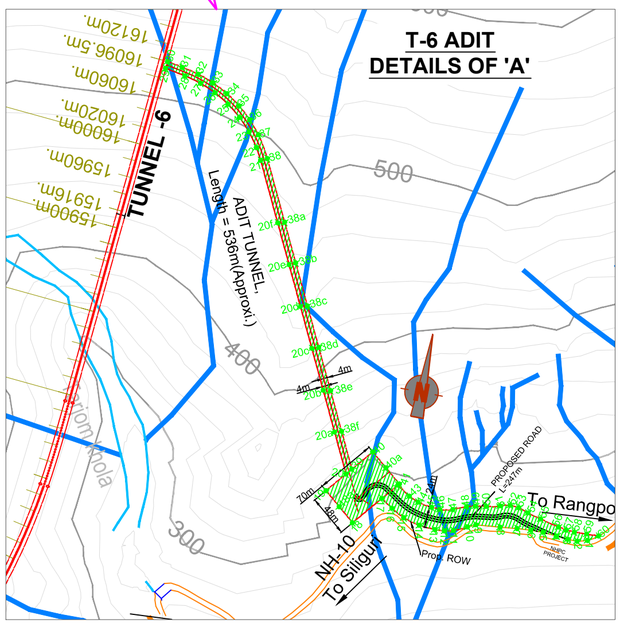
Pillar No.	UTM Co-ordinate		Geographic Co-ordinate	
	Easting	Northing	Latitude(North)	Longitude(East)
1	641957.4720	2987026.8820	26.9980764489	88.4306914622
2	641945.7120	2987024.1000	26.9980525426	88.4305726533
3	641934.6330	2987024.2880	26.9980553730	88.4304610453
4	641921.5370	2987025.8170	26.9980705133	88.4303292676
5	641905.3810	2987027.1990	26.9980846397	88.4301666411
6	641891.1590	2987027.1720	26.9980858508	88.4300233403
7	641875.1000	2987026.3570	88.4298614403	88.4298614403
8	641855.5370	2987024.3360	26.9980638969	88.4296640972
9	641827.6850	2987022.2270	26.9980477094	88.4293832258
10	641818.4970	2987018.0910	26.9980113181	88.4292901776
11	641803.1960	2987011.2900	26.9979514980	88.4291352320
12	641793.4600	2987009.0640	26.9979324018	88.4290368803
13	641782.0710	2987008.6420	26.9979297570	88.4289220792
14	641763.5690	2987010.2740	26.9979463779	88.4287358435
15	641744.3960	2987015.8070	26.9979982768	88.4285432918
16	641728.9760	2987024.1690	26.9980753259	88.4283888771
17	641715.5460	2987033.3160	26.9981592568	88.4282546024
18	641687.1240	2986999.9620	26.9978611141	88.4279644252
18a	641668.8573	2987015.5287	26.9980034814	88.4277821488
19	641650.5900	2987031.0950	26.9981458449	88.4275998659
20	641670.0230	2987053.9000	26.9983496933	88.4277982688
20a	641648.7141	2987099.1321	26.9987601245	88.4275887204
20b	641627.4044	2987144.3637	26.9991705510	88.4273791625
20c	641606.0956	2987189.5960	26.9995809834	88.4271696122
20d	641584.7859	2987234.8276	26.9999914093	88.4269600513
20e	641563.4755	2987280.0585	27.0004018287	88.4267504819
20f	641542.1658	2987325.2901	27.0008122541	88.4265409181
21	641510.4580	2987392.5930	27.0014229509	88.4262290947
22	641503.0680	2987406.3250	27.0015476469	88.4261561963
23	641491.5270	2987422.6400	27.0016960800	88.4260417660
24	641477.8670	2987437.2270	27.0018291326	88.4259057873
25	641462.3430	2987449.8110	27.0019442965	88.4257507983
26	641445.2450	2987460.1580	27.0020394301	88.4255796944
27	641426.8950	2987468.0730	27.0021127404	88.4253956980
28	641407.6360	2987473.4080	27.0021628567	88.4252022485
29	641384.3520	2987478.1630	27.0022081480	88.4249681762
30	641385.1200	2987486.1710	27.0022803483	88.4249768261
31	641402.9430	2987482.5320	27.0022456865	88.4251559995
32	641422.4010	2987477.9440	27.0022022922	88.4253515394
33	641441.1420	2987471.0000	27.0021377061	88.4255395863
34	641458.8260	2987461.6880	27.0020518545	88.4257167128
35	641475.1550	2987450.1640	27.0019461758	88.4258799340
36	641489.8540	2987436.6230	27.0018224582	88.4260265011
37	641502.6760	2987421.2920	27.0016827759	88.4261539511
38	641517.6950	2987396.0020	27.0014529814	88.4263024036
38a	641550.0097	2987327.4104	27.0008305910	88.4266201951
38b	641570.7382	2987283.4124	27.0004313591	88.4268240430
38c	641592.7114	2987236.7714	27.0000081447	88.4270401299
38d	641613.7433	2987192.1304	26.9996030776	88.4272469587
38e	641635.7411	2987145.4367	26.9991793845	88.4274632844
38f	641656.4313	2987101.5205	26.9987808936	88.4276667500
39	641675.7170	2987060.5830	26.9984094311	88.4278564024
40	641695.9910	2987084.3740	26.9986220927	88.4280633924
40a	641714.2588	2987068.8082	26.9984797331	88.4282456805
41	641732.5260	2987053.2420	26.9983373697	88.4284279621
42	641731.2030	2987051.6900	26.9983234969	88.4284144548
43	641746.5650	2987041.4500	26.9982295032	88.4285680713
44	641757.5010	2987036.4880	26.9981835998	88.4286776941
45	641773.9690	2987033.2030	26.9981522672	88.4288432475
46	641783.5870	2987032.5950	26.9981457965	88.4289400871
47	641798.3430	2987035.0590	26.9981665277	88.4290890466
48	641813.6000	2987041.0590	26.9982191228	88.4292434577
49	641823.2950	2987043.4830	26.9982400101	88.4293414191
50	641835.6240	2987045.2030	26.9982542739	88.4294658399
51	641851.3260	2987048.6990	26.9982842224	88.4296244492
52	641862.3970	2987051.1090	26.9983048424	88.4297362735
53	641872.9420	2987050.2320	26.9982958484	88.4298424226
54	641884.2770	2987046.2230	26.9982585047	88.4299561741
55	641899.8400	2987041.7390	26.9982164413	88.4301124716
56	641921.7640	2987036.4130	26.9981661272	88.4303327649
57	641931.2330	2987034.3240	26.9981463035	88.4304279339
58	641940.8020	2987033.7010	26.9981397014	88.4305242779
59	641955.1220	2987033.9540	26.9981405196	88.4306685920
60	641969.0450	2987034.0680	26.9981401237	88.4308088901

MAP SHOWING DGPS SURVEYED CO-ORDINATES AND BOUNDARY OF FOREST AREA PROPOSED ADIT IN TUNNEL NO - 6 & T-7 TO BE DIVERTED FOR CONSTRUCTION OF SIVOK(WEST BENGAL)-RANGPO(SIKKIM) RAIL PROJECT PASSING THROUGH DARJEELING DIVISION

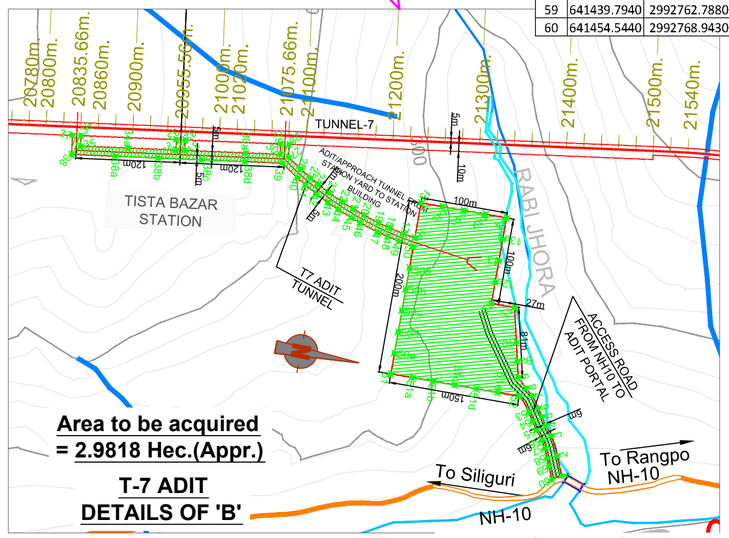
Scale : 1:25,000

SURVEY OF INDIA MAP :- 78/B/5, 78/A/8





Area to be acquired
= 1.2544 Hec.(Appr.)



Area to be acquired
= 2.9818 Hec.(Appr.)

T-7 ADIT
DETAILS OF 'B'

LEGEND

- NEW BG RAILWAY ALIGNMENT
- ALIGNMENT BOUNDARY
- BRIDGES
- NATIONAL HIGHWAY 10
- OBSERVATION POINT
- C/L OF PROP. ROAD FROM NH-10 TO ADIT PORTAL
- PROP. LAND TO BE ACQUIRED FOR ADIT
- FOREST PILLAR

Co-ordinate of Forest Pillar for Tunnel, T-7 Adit

Pillar No.	UTM Co-ordinate		Geographic Co-ordinate	
	Easting	Northing	Latitude(North)	Longitude(East)
46	641201.5670	2992499.8600	27.047551429	88.423697814
47	641208.5790	2992522.3990	27.047754145	88.423771064
48	641211.5850	2992533.9140	27.047857770	88.423802678
49	641214.6810	2992547.6730	27.047981639	88.423835454
50	641217.8280	2992564.9640	27.048137382	88.423869146
50a	641242.8280	2992564.9640	27.048134831	88.424121153
50b	641267.8280	2992564.9640	27.048132280	88.424373160
50c	641292.8280	2992564.9640	27.048129729	88.424625167
50d	641317.8280	2992564.9640	27.048127176	88.424877173
50e	641342.8283	2992564.9645	27.048124628	88.425129183
51	641366.6050	2992564.9640	27.048122196	88.425368858
51a	641366.5646	2992589.9646	27.048347849	88.425371303
51b	641366.5241	2992614.9646	27.048573496	88.425373746
51c	641366.4842	2992639.9639	27.048799137	88.425376195
51d	641366.4438	2992664.9638	27.049024783	88.425378640
51e	641366.4029	2992689.9645	27.049250437	88.425381079
52	641366.3630	2992714.9640	27.049476080	88.425383528
53	641382.6960	2992729.1180	27.049602162	88.425549786
54	641391.9700	2992735.2710	27.049656750	88.425643974
55	641401.2440	2992741.4250	27.049711347	88.425738161
56	641411.4620	2992749.6200	27.049784268	88.425842098
57	641419.9870	2992754.5240	27.049827660	88.425928593
58	641430.7360	2992759.0090	27.049867042	88.426037459
59	641439.7940	2992762.7880	27.049900224	88.426129199
60	641454.5440	2992768.9430	27.049954270	88.426278588

Co-ordinate of Forest Pillar for Tunnel, T-7 Adit

Pillar No.	UTM Co-ordinate		Geographic Co-ordinate	
	Easting	Northing	Latitude(North)	Longitude(East)
1	641448.1660	2992779.2840	27.050048257	88.426215475
2	641426.1150	2992770.0840	27.049967474	88.425992142
3	641404.6760	2992759.5610	27.049874686	88.425774827
4	641394.1580	2992751.1250	27.049799620	88.425667838
5	641385.0360	2992745.0720	27.049745919	88.425575194
6	641375.9130	2992739.0190	27.049692218	88.425482540
7	641363.2810	2992730.0890	27.049612909	88.425354186
8	641355.6930	2992721.0860	27.049532425	88.425276669
9	641345.1640	2992710.2510	27.049435706	88.425169297
9a	641326.6951	2992705.9642	27.049398901	88.424982634
10	641305.8850	2992701.1330	27.049357420	88.424772310
11	641266.6050	2992692.0160	27.049279142	88.424375313
12	641266.6050	2992664.9640	27.049034978	88.424372230
12a	641241.6702	2992664.9644	27.049037526	88.424120878
13	641216.6050	2992664.9640	27.049040080	88.423868212
13a	641191.3271	2992664.9644	27.049042662	88.423613402
14	641166.6050	2992664.9640	27.049045180	88.423364195
14a	641166.6051	2992639.9640	27.048819537	88.423361348
14b	641166.6047	2992614.9646	27.048593899	88.423358496
14c	641166.6053	2992589.9640	27.048368250	88.423355655
15	641166.6050	2992564.9640	27.048142607	88.423352804
16	641207.7000	2992564.9640	27.048138415	88.423767053
17	641205.1940	2992551.2000	27.048014441	88.423740224
18	641201.2060	2992533.6130	27.047856112	88.423698020
19	641197.7430	2992520.8440	27.047741216	88.423661658
20	641191.9950	2992502.7780	27.047578743	88.423601659
21	641187.2960	2992489.9710	27.047463630	88.423552833
22	641181.2220	2992475.2490	27.047331372	88.423489929
23	641173.6480	2992459.0190	27.047185657	88.423411733
24	641165.8730	2992444.1940	27.047052643	88.423331671
25	641160.3460	2992434.5490	27.046966154	88.423274859
26	641152.3040	2992421.5980	27.046850081	88.423192320
27	641141.3800	2992405.6960	27.046707668	88.423080393
28	641126.6170	2992403.7230	27.046691365	88.422931355
29	641127.9410	2992393.8110	27.046601767	88.422943573
30	641139.8650	2992395.4050	27.046614938	88.423063950
30a	641145.1647	2992355.7573	27.046256548	88.423112857
31	641154.4380	2992286.3750	27.045629376	88.423198432
32	641142.5140	2992284.7810	27.045616205	88.423078056
33	641143.8390	2992274.8690	27.045526607	88.423090283
34	641155.7630	2992276.4630	27.045539778	88.423210659
34a	641163.0990	2992221.5818	27.045043686	88.423278357
35	641170.3360	2992167.4320	27.044554207	88.423345139
36	641158.4120	2992165.8390	27.044541044	88.423224764
37	641159.7370	2992155.9270	27.044451446	88.423236992
38	641181.5730	2992158.8450	27.044475557	88.423457430
38a	641174.9484	2992208.4049	27.044923547	88.423396298
38b	641168.3251	2992257.9640	27.045371530	88.423335179
38c	641161.7006	2992307.5228	27.045819510	88.423274048
38d	641155.0762	2992357.0816	27.046267490	88.423212917
39	641149.3810	2992399.6960	27.046652698	88.423160361
40	641162.6310	2992419.1690	27.046827105	88.423296141
41	641169.3910	2992430.1980	27.046925960	88.423365539
42	641177.5810	2992444.8010	27.047056928	88.423449759
43	641184.9090	2992459.2960	27.047187009	88.423525277
44	641190.8750	2992472.3670	27.047304375	88.423586905
45	641197.4230	2992488.4460	27.047448832	88.423654741

Co-ordinate DGPS observation point

CONTROL POINT	UTM Co-ordinate		Geographic Co-ordinate	
	NORTHING	EASTING	Latitude(North)	Longitude(East)
GPS-30	2986239.324	640974.274	26.991068365	88.420695624
CP-31	2986372.713	641014.250	26.992268247	88.421113524
GPS-32	2987679.945	642947.947	27.003869103	88.440746372
GPS-33	2987719.771	643073.577	27.004215609	88.442016843
CP-34	2990192.912	641466.033	27.026702520	88.426100521
GPS-35	2990266.989	641472.245	27.027370481	88.426171580
GPS-36	2990337.085	641485.333	27.028001816	88.426311478
CP-37	2993211.324	641428.942	27.053949694	88.426070999
CP-38	2993338.475	641375.401	27.055102794	88.425545772
GPS-39	2993419.168	641523.812	27.055815931	88.427051099
GPS-40	2993545.296	641527.936	27.056953911	88.427107091

Client:	Engineers:	Project title :			
NORTHEAST FRONTIER RAILWAY	Ircon International Ltd.	PLAN SHOWING THE LAND FOR CONSTRUCTION OF ADIT TO BE ACQUIRED PERMANENTLY IN FOREST AREA FOR THE CONSTRUCTION OF NEW BROAD GAUGE RAIL LINK BETWEEN SIVOK AND RANGPO	ADDL. GENERAL MANAGER IRCON/SRRP	GENERAL MANAGER IRCON/SRRP	DEPUTY CHIEF ENGINEER CON / NJP /NFRLY

DWG NO:-ADIT/DARJ/02

SCALE:- AS SHOWN | REV - 1 | DATE:- 06.06.2019

PREPARED BY:- RAJESH KR OJHA