

## APPENDIX XIV :

Flooding Junction (Flooding hours above 15 minutes) with 2 Year return period in Trans Yamuna Basin after Scenario 4.

NAME	X-Coordinate	Y-Coordinate	Hours Flood	Flood Volume (MLD)	Flood Volume (M3)
J_368	721296.9	3178980	0.26	0.181	181
J_443	721480.2	3179406	0.29	0.132	132
J_3225	725107.4	3172753	0.34	0.2	200
J_5902	727757.4	3175382	0.35	0.099	99
J_3817	725629.5	3175458	0.42	0.175	175
J_2482	724381.2	3172615	0.46	0.648	648
J_5270	726754.3	3168548	0.46	0.127	127
J_3694	725520.7	3175626	0.47	0.156	156
J_5296	726773.3	3168495	0.47	0.074	74
J_588	721752	3179744	0.48	0.202	202
J_5359	726834.5	3165674	0.49	0.094	94
J_3327	725193.9	3172504	0.5	0.051	51
J_1714	723410.7	3176052	0.51	0.241	241
J_3765	725579.6	3171735	0.54	0.233	233
J_448	721490	3179402	0.56	0.445	445
J_463	721518.2	3179482	0.57	0.468	468
J_560	721696.6	3179778	0.57	0.564	564
J_349	721236.6	3173525	0.58	0.362	362
J_2839	724781.9	3169530	0.59	0.09	90
J_3665	725486.8	3164634	0.6	0.312	312
J_300	721122.7	3178483	0.61	0.225	225
J_3456	725322.9	3169195	0.62	0.113	113
J_2533	724439.4	3172474	0.63	0.771	771
J_445	721485.3	3178583	0.64	0.943	943
J_584	721747.7	3179735	0.66	0.517	517
J_2647	724560.8	3173580	0.69	0.431	431
J_49	720435.9	3181922	0.69	0.874	874
J_2084	723930.8	3174464	0.7	0.248	248
J_3898	725692.9	3171837	0.7	0.39	390
J_3580	725420.8	3175780	0.71	0.419	419
J_361	721276.2	3178856	0.71	0.536	536
J_878	722268.2	3177169	0.71	0.476	476
J_2194	724076.1	3174384	0.72	0.579	579
J_371	721302	3178925	0.72	0.56	560

J_3631	725466.2	3175710	0.73	0.447	447
J_2660	724573.2	3168301	0.74	0.562	562
J_2717	724640	3168331	0.78	0.587	587
J_5980	728021.2	3166022	0.79	0.279	279
J_1984	723816.1	3174489	0.82	0.419	419
J_5966	727974.5	3166084	0.83	0.226	226
J_136	720663	3182373	0.85	0.412	412
J_3521	725377.9	3164624	0.86	0.664	664
J_3918	725704.6	3168045	0.86	0.571	571
J_3540	725386.6	3172524	0.91	0.291	291
J_3379	725242.1	3164620	0.97	1.006	1006
J_2192	724068.6	3169815	0.99	0.288	288
J_2118	723966.3	3169722	1.01	0.273	273
J_2813	724755.4	3174242	1.19	0.493	493
J_2007	723844.1	3174188	1.28	0.279	279
J_2093	723939.4	3174216	1.3	0.288	288
J_5808	727560.4	3167434	1.45	0.147	147
J_3788	725596.4	3172516	1.56	0.735	735
J_2788	724729.8	3169294	1.57	0.561	561
J_5792	727503.6	3167460	1.62	0.407	407
J_3949	725728.5	3172512	1.63	0.673	673
J_4105	725816.9	3172505	1.75	0.776	776
J_5827	727604.3	3175869	1.75	0.507	507
J_1375	723012.7	3177228	1.83	0.441	441
J_1306	722924.3	3176616	1.87	7.411	7411
J_6131	728335.1	3166370	2.1	1.076	1076
J_2890	724837.5	3174239	2.11	0.78	780
J_6186	728403.8	3166424	2.18	1.131	1131
J_5398	726877.8	3165639	2.25	0.962	962
J_3851	725652	3172514	2.3	1.148	1148
J_4525	726141.1	3168201	2.36	0.698	698
J_3281	725150.5	3173925	2.38	1.822	1822
J_6319	728628.1	3166604	2.41	1.263	1263
J_2740	724660.9	3169771	2.62	0.351	351
J_5572	727027.8	3168613	2.75	1.034	1034
J_5634	727137.5	3168310	2.86	0.809	809
J_5629	727123.9	3166001	2.88	0.508	508
J_932	722367	3177158	2.9	1.243	1243
J_1878	723647.8	3169433	2.98	1.137	1137
J_4497	726119	3168207	3.1	0.524	524
J_5906	727767.5	3175521	3.14	0.957	957

J_4090	725809.1	3167831	3.22	1.149	1149
J_5721	727339.4	3166015	3.33	0.923	923
J_5423	726896.4	3166238	3.53	1.074	1074
J_5531	726997.4	3166572	3.8	4.033	4033
J_5537	727004.3	3174457	3.85	2.079	2079
J_2074	723918.8	3176432	3.9	1.605	1605
J_5737	727380.4	3166047	3.96	1.2	1200
J_1136	722699.1	3176635	3.99	1.368	1368
J_5656	727168.5	3165898	4.1	0.965	965
J_1218	722789.8	3176627	4.17	1.482	1482
J_690	721939.5	3170608	4.22	0.249	249
J_5327	726802.1	3166243	4.39	0.668	668
J_2070	723916.5	3176531	4.53	1.604	1604
J_5602	727081.5	3165863	4.61	1.45	1450
J_5614	727095.6	3166071	4.63	0.79	790
J_5494	726961.9	3166189	4.64	0.813	813
J_5263	726747.9	3166171	4.65	0.7	700
J_5696	727262.1	3165962	4.76	1.086	1086
J_5538	727004.6	3174261	4.78	3.158	3158
J_5322	726797.1	3166262	4.88	1.177	1177
J_5213	726704.9	3166138	5.04	0.811	811
J_5611	727088.9	3165843	5.04	1.243	1243
J_5075	726570.7	3165958	5.09	0.877	877
J_5133	726624.4	3166031	5.19	0.906	906
J_5512	726974.5	3166207	5.26	0.878	878
J_5583	727044.2	3166128	5.34	0.926	926
J_5589	727052	3166149	5.4	0.969	969
J_5624	727113.1	3166083	5.54	1.008	1008
J_5506	726968.6	3165753	5.76	1.804	1804
J_5608	727086.5	3168452	5.87	1.506	1506
J_5861	727662.6	3174585	5.95	1.114	1114
J_4650	726238.2	3168093	6.39	0.786	786
J_5632	727136	3168378	6.89	1.662	1662
J_2790	724733.2	3169838	7.04	0.609	609
J_5850	727643.4	3167221	7.16	1.424	1424
J_1778	723478.3	3169239	7.3	1.17	1170
J_1776	723476.8	3169153	7.31	1.247	1247
J_1779	723478.9	3169310	7.47	1.125	1125
J_1797	723494.6	3169379	7.71	1.131	1131
J_1767	723467.5	3169027	7.77	1.224	1224
J_1775	723475.7	3169098	7.79	1.358	1358

J_1762	723463.7	3168925	8.15	1.119	1119
J_3959	725733.7	3176180	8.18	1.335	1335
J_1756	723461.1	3168752	8.37	1.107	1107
J_1808	723523.2	3169392	9.34	1.474	1474
J_5719	727337.7	3174681	10.14	1.83	1830
J_1835	723573.6	3169420	10.96	2.265	2265
J_4925	726446.3	3165917	11.53	2.859	2859
J_920	722343.5	3177649	11.64	1.429	1429
J_3964	725736.4	3176102	13.14	2.319	2319
J_4736	726305.7	3165728	15.45	1.686	1686
J_2857	724799.6	3169898	17.35	1.106	1106
J_2925	724863.8	3174272	17.56	4.908	4908
J_2956	724873.3	3176648	18.22	8.797	8797
J_2741	724661	3169661	18.82	0.925	925
J_908	722321.4	3169647	20.53	1.551	1551
J_783	722101.7	3170537	21.65	0.71	710
J_4727	726298.3	3165624	22.06	5.709	5709
J_4794	726348.3	3165606	22.52	1.788	1788
J_3808	725622.8	3176326	26.14	17.393	17393
J_3708	725535.6	3176486	28.34	1.983	1983
J_739	722008.7	3171326	32.55	29.807	29807
J_5615	727098.2	3174592	32.83	60.121	60121
J_4284	725944.7	3171608	32.85	3.541	3541
J_1275	722885	3168781	33.5	2.544	2544
J_1174	722750.4	3174353	33.84	1.667	1667
J_2800	724741.7	3169573	34.27	1.315	1315
J_5817	727577.8	3169229	36.08	1.309	1309
J_2203	724085.7	3170541	39.94	21.096	21096
J_892	722304	3171559	40.17	5.381	5381
J_808	722152.2	3171388	40.23	2.389	2389
J_1998	723836.1	3171831	40.26	9.166	9166
J_5455	726921.1	3174927	40.31	50.488	50488
J_5505	726967.5	3174852	40.34	33.267	33267
J_5828	727604.4	3169243	40.35	1.579	1579
J_3496	725360.7	3176515	40.37	2.141	2141
J_766	722051.5	3169959	40.41	7.832	7832
J_644	721852.9	3170552	40.43	29.525	29525
J_5832	727606.3	3169152	40.44	1.691	1691
J_1170	722747	3170863	40.48	14.143	14143
J_3512	725373.9	3176393	40.49	2.552	2552
J_5643	727154.2	3176487	40.49	4.539	4539

J_5595	727067.7	3176356	40.5	1.737	1737
J_63	720472.9	3172992	40.5	37.909	37909
J_1085	722606.5	3171629	40.51	4.271	4271
J_2056	723904.1	3170579	40.51	0.827	827
J_1590	723250.9	3170988	40.52	1.928	1928
J_2612	724524.2	3166497	40.52	3.114	3114
J_4849	726383.5	3165580	40.52	1.7	1700
J_5184	726683.4	3176420	40.52	1.756	1756
J_3152	725060.3	3176592	40.53	5.857	5857
J_3191	725086.9	3176257	40.53	2.631	2631
J_4938	726457.9	3176643	40.53	3.006	3006
J_3294	725164.8	3171790	40.54	1.283	1283
J_3510	725373.2	3175899	40.54	2.624	2624
J_4895	726424.7	3165529	40.54	2.589	2589
J_624	721820	3171750	40.54	10.286	10286
J_926	722358.1	3171492	40.54	1.797	1797
J_5848	727642.1	3175459	40.54	2.378	2378
J_5847	727637.4	3169151	40.54	1.855	1855
J_3318	725182.8	3176266	40.55	3.65	3650
J_3509	725372.3	3175832	40.55	3.694	3694
J_4909	726433.9	3165542	40.55	3.081	3081
J_1677	723360.8	3170994	40.56	2.158	2158
J_3328	725194.8	3176004	40.56	3.098	3098
J_5035	726538.2	3176360	40.56	1.918	1918
J_562	721704	3172128	40.56	6.329	6329
J_4372	726012.2	3171698	40.56	3.017	3017
J_4856	726387.8	3172245	40.56	6.867	6867
J_1816	723542.8	3171838	40.57	2.955	2955
J_3176	725077.7	3175763	40.57	9.343	9343
J_3444	725313	3171924	40.57	1.519	1519
J_5071	726565.4	3176541	40.57	1.8	1800
J_4853	726386.4	3172207	40.57	6.098	6098
J_5843	727631.3	3169082	40.57	2.066	2066
J_3311	725176.8	3175770	40.58	3.613	3613
J_5140	726632.4	3176224	40.58	2.072	2072
J_5229	726722.6	3176581	40.58	2.349	2349
J_4862	726392.5	3172359	40.58	2.859	2859
J_1913	723703.1	3171722	40.59	4.137	4137
J_1954	723774.4	3170853	40.59	16.468	16468
J_2265	724178.9	3169891	40.59	2.602	2602
J_2590	724502.3	3166558	40.59	2.773	2773

J_3067	724972.4	3176582	40.59	6.384	6384
J_3329	725196.1	3176135	40.59	3.878	3878
J_3741	725554.3	3176319	40.59	12.503	12503
J_3827	725635.9	3176202	40.59	2.285	2285
J_4871	726402	3165995	40.59	1.686	1686
J_652	721873.7	3171626	40.59	9.119	9119
J_6286	728572.1	3167811	40.59	2.124	2124
J_1063	722573.4	3171708	40.6	4.764	4764
J_1105	722645.7	3171538	40.6	6.476	6476
J_1165	722731.7	3174396	40.6	2.664	2664
J_2279	724188.9	3174057	40.6	3.859	3859
J_3503	725365.3	3175977	40.6	3.026	3026
J_3813	725626.9	3176287	40.6	26.181	26181
J_3840	725645.9	3176106	40.6	1.896	1896
J_4735	726305.3	3176638	40.6	12.201	12201
J_5856	727655.7	3169093	40.6	1.789	1789
J_3340	725208.6	3175927	40.61	3.022	3022
J_3506	725369.3	3176781	40.61	6.063	6063
J_4947	726465.1	3165949	40.61	1.747	1747
J_5809	727561.2	3175762	40.61	2.602	2602
J_1191	722770.1	3171060	40.62	6.553	6553
J_16	720203.4	3173429	40.62	2.572	2572
J_1906	723694.6	3169446	40.62	3.33	3330
J_3046	724951.5	3171619	40.62	0.938	938
J_4252	725930.2	3165767	40.62	36.301	36301
J_4944	726462.8	3165922	40.62	3.824	3824
J_6311	728610.3	3167614	40.62	1.45	1450
J_1041	722535.2	3171797	40.63	4.904	4904
J_1900	723680.7	3170988	40.63	2.923	2923
J_1939	723749.3	3169496	40.63	3	3000
J_1977	723806	3169549	40.63	2.849	2849
J_2116	723964.1	3169695	40.63	2.594	2594
J_2587	724499.2	3166628	40.63	3.242	3242
J_3288	725158.9	3171590	40.63	1.222	1222
J_4649	726237.3	3165672	40.63	1.847	1847
J_4867	726396.6	3165886	40.63	2.213	2213
J_6283	728567.4	3167525	40.63	1.401	1401
J_3373	725238.5	3171858	40.64	1.374	1374
J_4475	726097.2	3165648	40.64	4.56	4560
J_4786	726342.7	3165813	40.64	2.192	2192
J_4835	726373.1	3172359	40.64	4.055	4055

J_5854	727651	3169027	40.64	2.224	2224
J_6120	728314.1	3167463	40.64	0.996	996
J_6292	728577.2	3167587	40.64	1.257	1257
J_1600	723258.9	3170158	40.65	4.617	4617
J_2997	724906.4	3171578	40.65	1.061	1061
J_568	721715.2	3172281	40.65	6.752	6752
J_5866	727676	3168956	40.65	2.921	2921
J_1016	722502.9	3171868	40.66	4.76	4760
J_3157	725062.6	3171696	40.66	1.38	1380
J_3409	725273.2	3175825	40.66	4.992	4992
J_3853	725653.2	3176011	40.66	2.077	2077
J_5335	726817.5	3176399	40.66	2.132	2132
J_4548	726164.4	3171837	40.66	3.092	3092
J_13	720181.3	3173616	40.67	1.34	1340
J_2907	724847.6	3167029	40.67	1.461	1461
J_4994	726514.7	3165884	40.67	8.279	8279
J_4811	726359.3	3172023	40.67	3.809	3809
J_6367	728713.8	3167742	40.67	1.712	1712
J_1697	723380.3	3171921	40.68	3.14	3140
J_2554	724463.8	3166727	40.68	2.524	2524
J_3487	725353.2	3176590	40.68	2.476	2476
J_4796	726350.8	3165604	40.68	1.829	1829
J_4157	725857.4	3171556	40.68	12.134	12134
J_4660	726246.3	3171912	40.68	2.571	2571
J_5005	726524.3	3175401	40.68	7.733	7733
J_6267	728533.5	3167498	40.68	1.393	1393
J_6197	728421.1	3167884	40.68	2.874	2874
J_1418	723058.5	3174303	40.69	3.158	3158
J_1449	723090.1	3174361	40.69	3.266	3266
J_1456	723099.7	3174278	40.69	3.392	3392
J_5350	726825.9	3176562	40.69	2.909	2909
J_5561	727017.2	3176517	40.7	3.658	3658
J_1631	723293	3174185	40.71	4.53	4530
J_801	722139.4	3169264	40.71	12.69	12690
J_1434	723078.7	3170424	40.73	2.782	2782
J_1923	723732.6	3170670	40.74	1.117	1117
J_6332	728654.2	3167703	40.75	1.758	1758
J_2146	723996.1	3176573	40.79	5.455	5455
J_1231	722796.2	3170253	41.15	2.47	2470
J_640	721849.9	3176898	41.16	1.893	1893
J_6351	728680.7	3167758	41.19	2.42	2420

J_6318	728621.1	3167677	41.2	1.804	1804
J_2892	724839.3	3171517	41.22	1.329	1329
J_512	721593.5	3176909	41.23	2.504	2504
J_552	721674.1	3176913	41.23	2.182	2182
J_1209	722786.3	3170460	41.26	3.838	3838
J_3710	725536.1	3175636	41.27	4.8	4800
J_782	722098.4	3170347	41.27	2.265	2265
J_1454	723097.5	3168583	41.29	4.181	4181
J_2873	724818.4	3171473	41.3	2.504	2504
J_2952	724872.6	3171516	41.3	2.287	2287
J_1403	723045.1	3170679	41.31	2.667	2667
J_934	722377	3169323	41.32	3.811	3811
J_5822	727589.2	3167104	41.35	3.057	3057
J_1938	723748.9	3174158	41.47	1.813	1813