LAYOUT PLAN OF MULTI VILLAGE -SURFACE WATER DRINKING WATER SUPPLY SCHEME (40 VILLAGES) HAVING INTAKE POINT AT PAROWAL AT RD 25000 FT OF LAHORE BRANCH OF UBDC CANAL.

SCALE: 1:10000

Quality affected villages to be covered under National Sub Mission

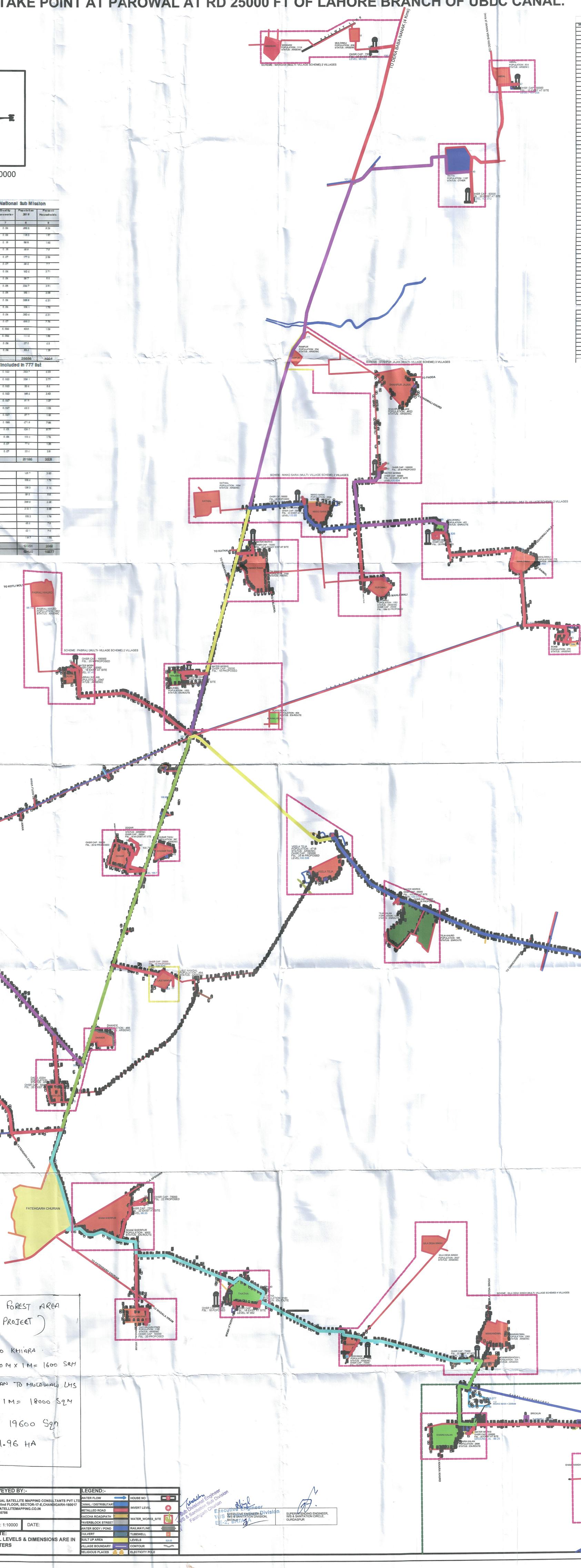
Sr. No.	Name of Water sh	Name of Habitation	Sr. No.	Name of Village	Quality Affected	Quality Parameter	Population 2011	Percent Households
1	2	3	4	5	6	7	8	9
1	Water Supply Scheme	Bhatinda Jandpur	1	Bhatinda Jandpur	Arsenic	0.050	4868	1439
2	Water Supply Scheme	Chak Jagir Piral	2	Chak Jagir Piral	Arsenic	0.050	1183	187
3	Water Supply Scheme	Dera Baba Nanak	3	Dera Baba Nanak	Arsenic	0.050	8818	1468
			4	Dera Baba Nanak	Arsenic	0.050	4818	918
4	Water Supply Scheme	Kotla Jagir Kalan	5	Kotla Jagir Kalan	Arsenic	0.050	1773	3.56
5	Water Supply Scheme	Lalu Nangal	6	Lalu Nangal	Arsenic	0.050	4814	914
6	Water Supply Scheme	Ranjit	7	Ranjit	Arsenic	0.050	1903	3.71
			8	Ranjit Tahli	Arsenic	0.050	1817	818
7	Water Supply Scheme	Pabrali Kalan	9	Pabrali Kalan	Arsenic	0.050	2347	3.81
			10	Pabrali Khurd	Arsenic	0.050	1851	3.08
8	Dera Baba Nanak	Industrial Area	11	Industrial Area	Arsenic	0.050	2888	4.31
9	Dera Baba Nanak	Bhagtanwali	12	Bhagtanwali	Arsenic	0.050	1081	1.76
10	Dera Baba Nanak	Nikko Sarai	13	Nikko Sarai	Arsenic	0.050	2824	4.31
11	Dera Baba Nanak	Kotli Jagir Jadpur	14	Kotli Jagir Jadpur	Arsenic	0.050	4812	5.76
12	Dera Baba Nanak	Mahlowali	15	Mahlowali	Arsenic	0.050	4318	1.59
			16	Mahlowali	Arsenic	0.050	1114	1.69
13	Dera Baba Nanak	Rupowali	17	Rupowali	Arsenic	0.050	2518	4.8
14	Dera Baba Nanak	Khatkali	18	Khatkali	Arsenic	0.050	1814	1.39
				Total	18		39696	4924

New Quality affected villages which are not included in 777 list

1	Water Supply Scheme	Sikri Khurd	1	Sikri Khurd	Arsenic	0.050	2837	4.23
			2	Mahlowali Kalan	Arsenic	0.050	2081	3.77
			3	Nikko Sarai Kalan	Arsenic	0.050	3241	814
			4	Kotli Jagir	Arsenic	0.050	1884	3.62
2	Water Supply Scheme	Jandpur	5	Jandpur	Arsenic	0.050	818	1.37
			6	Ghanian	Arsenic	0.050	1831	1.08
			7	Rupowali	Arsenic	0.050	1877	1.08
3	Water Supply Scheme	Veela Teja	8	Veela Teja	Arsenic	0.050	4718	7.08
4	Water Supply Scheme	Kotla Afgana	9	Kotla Afgana	Arsenic	0.050	1291	8.57
5	Dera Baba Nanak	Nikko Sarai	10	Kotli Jagir	Arsenic	0.050	1814	1.79
6	Dera Baba Nanak	Kotli Jagir Jadpur	11	Mahlowali	Arsenic	0.050	1814	1.26
			12	Rupowali	Arsenic	0.050	2814	3.8
				Total	12		31186	3614

Enroute villages

1	Water Supply Scheme	Rupowali	1	Rupowali			1817	3.85
			2	Kotli Ghanian			1814	1.79
2	Water Supply Scheme	Veela Kalan	3	Veela Kalan			2813	2.14
			4	Veela Khurd			1818	818
3	Water Supply Scheme	Rajwali	5	Rajwali			2818	4.08
4	Water Supply Scheme	Khatkali	6	Khatkali			2811	3.38
5	Water Supply Scheme	Veela Jamal	7	Mahlowali			1813	1.79
			8	Mahlowali Jandpur			1814	818
6	Dera Baba Nanak	Veela Jamal	9	Mahlowali			1811	7.6
7	Dera Baba Nanak	Kotli	10	Kotli			1817	1.98
				Total	10		12151	2092
				Grand Total	40		82425	10677



Surface Water Project

Sr. No.	From Pocket	To Pocket	Dia	Length
1	21	20	300	1883.00
2	20	34	300	64.00
3	20	38	200	4200.00
4	38	42	160	4400.00
5	3	3	90	3187.00
6	3	4	90	2800.00
7	3	8	200	1800.00
8	7	8	200	2000.00
9	11	13	400	2018.00
10	13	16	400	1800.00
11	16	18	300	1200.00
12	18	21	300	1037.00
13	24	31	300	844.00
14	31	33	300	1963.00
15	44	48	90	2000.00
16	7	8	90	600.00
17	13	14	90	2000.00
18	16	16	160	883.00
19	16	17	90	800.00
20	18	19	160	3000.00
21	20	20	90	700.00
22	38	39	90	60.00
23	39	27	160	3300.00
24	27	28	90	600.00
25	33	34	90	200.00
26	39	36	200	700.00
27	36	37	90	60.00
28	38	41	160	1021.00
29	41	43	90	3187.00
30	44	48	160	1881.00
31	48	49	90	4100.00
32	47	47	90	1870.00
33	31	30	90	4200.00
34	41	42	90	773.00
35	8	11	400	4042.00
36	8	10	90	1784.00
37	38	38	90	1061.00
38	1	2	160	883.00
39	38	39	90	878.00
40	28	28	200	3387.00
41	39	39	160	1888.00
42	8	8	90	788.00
43	3	49	90	43.00
44	3	80	90	1060.00
45	81	80	90	1877.00
46	8	81	160	1860.00
47	81	7	400	1887.00
48	83	7	90	420.00
49	83	84	90	2000.00
50	11	84	90	4000.00
51	84	10	90	2000.00
52	86	31	90	788.00
53	27	87	90	440.00
54	88	90	160	3887.00
55	90	28	160	440.00
56	90	89	160	440.00
57	89	27	160	3061.00
58	83	81	160	6840.00
59	81	34	160	3863.00
60	31	83	90	4200.00
61	84	39	90	403.00
62	90	39	160	1088.00
63	88	88	90	1388.00
64	83	88	90	1388.00

Length statement

Sr. No.	Surface Water Project	Dia	Length
		Total	3362
		450 mm	2967.000
		400 mm	1107.000
		350 mm	4100.000
		300 mm	3000.000
		250 mm	2000.000
		200 mm	4200.000
		160 mm	12760.000
		90 mm	9201.000
		63 mm	2360.000
		40 mm	1350.000

LEGEND

1. NODE AS SHOWN THUS - N1
2. PROPOSED LINES SHOWN THUS:-

100mm i/d	
150mm i/d	
200mm i/d	
250mm i/d	
300mm i/d	
350mm i/d	
400mm i/d	
450mm i/d	

(CALCULATION EFFECTED FOREST AREA FOR SURFACE WATER PROJECT)

AREA OF A = PAROWAL TURN TO KHIARA
SITE LHS = 1600 M X 1M = 1600 SQM

AREA OF B = FATEHGARH CHURIAN TO MULOWALI LHS
18000 X 1M = 18000 SQM

TOTAL AREA A+B = 19600 SQM
IN HACTARE = 1.96 HA

PROJECT:-
TOPOGRAPHICAL SURVEY OF SURFACE WATER SUPPLY SCHEME OF 40 VILLAGES. INTAKE POINT AT PAROWAL OFFTAKING AT RD 25000 FT OF LAHORE BRANCH OF UBDC.

CLIENT:-
GOVERNMENT OF PUNJAB
DEPARTMENT OF WATER SUPPLY & SANIATION
Sub Divisional Officer; BATALA
Executive Engineer ; BATALA
Circle DWSS; GURDASPUR

SURVEYED BY:-
UNIVERSAL SATELLITE MAPPING CONSULTANTS PVT LTD
SCO-19, IInd FLOOR, SECTOR-17-E,CHANDIGARH-160017
INFO@SATELLITEMAPPING.CO.IN
0172-5080786

SCALE: 1:10000 DATE:

NOTE:
ALL LEVELS & DIMENSIONS ARE IN METERS

LEGEND:-

WATER FLOW		HOUSE NO	
CANAL / DISTRIBUTARY		INVERT LEVEL	
METALLED ROAD			
KACCHA ROAD/PATH		WATER_WORKS_SITE	
PAVERBLOCK STREET			
WATER BODY / POND		RAILWAYLINE	
CULVERT		TUBEWELL	
BUILT UP AREA		LEVELS	829.00
VILLAGE BOUNDARY		CONTOUR	
RELIGIOUS PLACES		ELECTICITY POLE	

Sub Divisional Engineer W/S & Sanitation Sub Division Fatehgarh Churian

Executive Engineer W/S & SANITATION DIVISION, BATALA

EXECUTIVE ENGINEER-II, W/S & SANITATION DIVISION, BATALA

SUPERINTENDING ENGINEER, W/S & SANITATION CIRCLE, GURDASPUR