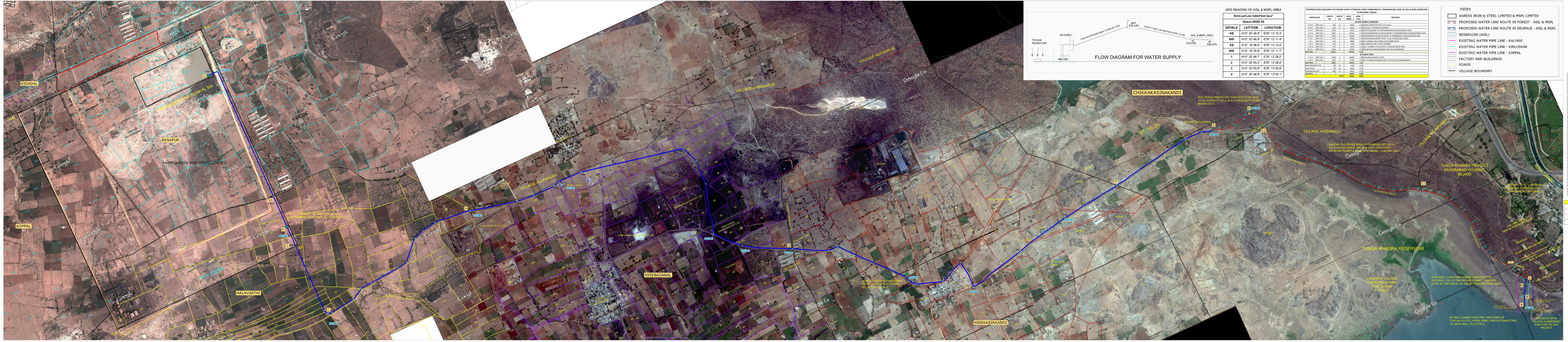

FLOW DIAGRAM FOR WATER SUPPLY

GPS READINS OF AISL & MSPL AREA

Grid:Lat/Lon hddd°mm'ss.s"		
Datum:WGS 84		
DETAILS	LATITUDE	LONGITUDE
NE	N15° 20' 48.6"	E76° 13' 15.3"
NW	N15° 20' 48.8"	E76° 12' 11.4"
SE	N15° 19' 36.0"	E76° 13' 14.4"
SW	N15° 19' 35.8"	E76° 12' 11.7"
1	N15° 20' 48.7"	E76° 12' 26.2"
2	N15° 20' 54.3"	E76° 12' 28.0"
3	N15° 20' 53.8"	E76° 13' 02.6"
4	N15° 20' 48.6"	E76° 13' 02.1"

PROPOSED AREA REQUIRED FOR WATER SUPPLY (PIPELINE) FROM FORESHORE OF TUNGABHADRA DAM TO AISL & MSPL RESERVOIR IN DIFFERENT HEADS

PARTICULAR		LENGTH (m)	WIDTH (m)	AREA (SQM)	AREA (Ha)	REMARKS
IN NON FOREST (REVENUE)						
A TO B	PIPE LINE	100	10	1000	0.10	INTAKE CONNECTING PIPE TO JACK WELL
B TO C	PIPE LINE	150	15	2250	0.23	JACKWELL TO TB BOARD BOUNDARY
E TO F	PIPE LINE	1063	4	4252	0.43	FOREST BOUNDARY TO CHICKKASINAKANDI VILLAGE BOUNDARY LIMIT
F TO G	PIPE LINE	3675	4	14700	1.47	CHICKKASINAKANDI VILLAGE BOUNDARY TO HIREKASINAKANDI VILLAGE BOUNDARY LIMIT
G TO H	PIPE LINE	3762	4	15048	1.50	HIREKASINAKANDI VILLAGE BOUNDARY TO HIREBAGANAL VILLEGE BOUNDARY LIMIT
H TO I	PIPE LINE	1747	4	6988	0.70	HIREBAGANAL BOUNDARY POINT TO AISL TURNING (MILE STONE)
I TO J	PIPE LINE	722	4	2888	0.29	AISL TURNING (MILE STONE) TO SE CORNER OF AISL
J TO K	PIPE LINE	200	4	800	0.08	SE CORNER OF AISL TO INLET CHAMBER
K TO K1	PIPE LINE	315	4	1260	0.13	INLET CHAMBER TO HALAVARTHI VILLAGE BOUNDARY LIMIT
K1 TO L	PIPE LINE	1385	4	5540	0.55	HALVARTHI VILLAGE BOUNDARY POINT TO AISL RESERVOIR
SUB TOTAL		13119		54726	5.47	
IN FOREST AREA						
C TO D	PIPE LINE	3220	4	12880	1.29	TB BOARD BOUNDARY TO BPT
D TO E	PIPE LINE	390	4	1560	0.16	BPT TO FOREST BOUNDARY LIMIT (SY No.25 OF CHICKKASINAKANDI)
SUB TOTAL		3610		14440	1.45	
BREAK PRESSURE TANK		20	20	400	0.04	
SUB STATION		50	40	2000	0.20	
TRANSMISSION LINE		100	15	1500	0.15	
SUB TOTAL				3900	0.39	
		TOTAL		73066	7.310	

INDEX

- ▭ AARESS IRON & STEEL LIMITED & MSPL LIMITED
- P0 — P45 PROPOSED WATER LINE ROUTE IN FOREST - AISL & MSPL
- P45 — P78 PROPOSED WATER LINE ROUTE IN REVENUE - AISL & MSPL
- ▨ RESERVOIR (AISL)
- — EXISTING WATER PIPE LINE - KALYANI
- — EXISTING WATER PIPE LINE - KIRLOSKAR
- — EXISTING WATER PIPE LINE - KOPPAL
- ▨ FACTORY AND BUILDINGS
- ---- ROADS
- — VILLAGE BOUNDARY

GPS READINGS FROM INTAKE POINT TO FOREST BOUNDARY (FOREST) WATER PIPE LINE ALIGNMENT

Grid : Lat/Lon hddd°mm'ss.s"			
Datum: WGS 84			
PARTICULAR	LATITUDE	LONGITUDE	Remarks
INTAKE	N15° 16' 41.1"	E76° 18' 58.6"	
JACK WELL	N15° 16' 44.1"	E76° 19' 00.1"	
P 1	N15° 16' 48.7"	E76° 19' 02.7"	FOREST BOUNDARY
P 2	N15° 16' 48.1"	E76° 19' 02.7"	
P 3	N15° 16' 49.9"	E76° 19' 01.8"	
P 4	N15° 16' 50.8"	E76° 19' 01.2"	
P 5	N15° 16' 51.8"	E76° 19' 00.3"	
P 6	N15° 16' 52.6"	E76° 18' 59.7"	
P 7	N15° 16' 54.0"	E76° 18' 59.1"	
P 8	N15° 16' 56.2"	E76° 18' 57.6"	
P 9	N15° 16' 58.2"	E76° 18' 56.4"	
P 10	N15° 16' 59.8"	E76° 18' 55.3"	
P 11	N15° 17' 01.1"	E76° 18' 54.7"	
P 12	N15° 17' 02.4"	E76° 18' 54.3"	
P 13	N15° 17' 02.8"	E76° 18' 54.3"	
P 14	N15° 17' 03.9"	E76° 18' 54.3"	
P 15	N15° 17' 05.1"	E76° 18' 54.4"	
P 16	N15° 17' 07.8"	E76° 18' 54.6"	
P 17	N15° 17' 10.9"	E76° 18' 54.9"	
P 18	N15° 17' 15.5"	E76° 18' 53.2"	
P 19	N15° 17' 16.5"	E76° 18' 53.0"	
P 20	N15° 17' 19.9"	E76° 18' 51.2"	
P 21	N15° 17' 22.5"	E76° 18' 49.9"	
P 22	N15° 17' 23.5"	E76° 18' 48.7"	
P 23	N15° 17' 24.9"	E76° 18' 46.4"	
P 23A	N15° 17' 26.3"	E76° 18' 44.4"	
P 24	N15° 17' 27.0"	E76° 18' 43.4"	
P 25	N15° 17' 28.3"	E76° 18' 40.9"	
P 26	N15° 17' 29.0"	E76° 18' 38.5"	
P 27	N15° 17' 29.8"	E76° 18' 36.2"	
P 28	N15° 17' 32.3"	E76° 18' 32.2"	
P 29	N15° 17' 35.7"	E76° 18' 28.9"	
P 30	N15° 17' 40.2"	E76° 18' 25.4"	
P 31	N15° 17' 43.6"	E76° 18' 22.4"	
P 32	N15° 17' 46.2"	E76° 18' 19.9"	
P 33	N15° 17' 48.5"	E76° 18' 17.6"	
P 34	N15° 17' 51.9"	E76° 18' 15.2"	
P 35	N15° 17' 55.5"	E76° 18' 10.0"	
P 36	N15° 17' 58.8"	E76° 18' 08.8"	
P 36A	N15° 18' 04.4"	E76° 18' 07.5"	
P 37	N15° 18' 06.6"	E76° 18' 07.5"	
P 38	N15° 18' 09.4"	E76° 18' 05.9"	
P 39	N15° 18' 09.9"	E76° 18' 05.1"	BREAK PRESSURE TANK
P 40	N15° 18' 09.8"	E76° 18' 04.3"	
P 41	N15° 18' 09.6"	E76° 18' 02.8"	
P 42	N15° 18' 09.2"	E76° 17' 59.1"	
P 43	N15° 18' 08.5"	E76° 17' 56.7"	
P 44	N15° 18' 09.5"	E76° 17' 54.2"	
P 45	N15° 18' 10.0"	E76° 17' 52.6"	FOREST BOUNDAY LIMIT

GPS READINGS FROM FOREST BOUNDARY TO AISL & MSPL IMPOUNDING RESERVOIR (NON - FOREST) WATER PIPE LINE ALIGNMENT

Grid : Lat/Lon hddd°mm'ss.s"			
Datum: WGS 84			
PARTICULAR	LATITUDE	LONGITUDE	Remarks
P 45	N15° 18' 10.0"	E76° 17' 52.6"	FOREST / REVENUE OF SY.No.25
P 46	N15° 18' 11.1"	E76° 17' 49.0"	
P 47	N15° 18' 11.1"	E76° 17' 43.3"	ROAD JUNCTION
P 48	N15° 18' 07.1"	E76° 17' 17.5"	VILLAGE BOUNDARY INTERSECTION
P 49	N15° 18' 04.7"	E76° 16' 58.3"	HRG BYE PASS ROAD
P 50	N15° 18' 01.1"	E76° 16' 41.2"	ROAD TO POULTARY FARM
P 51	N15° 17' 57.3"	E76° 16' 23.0"	WATER TANK OF HIREKASINAKANDI VILLAGE
P 52	N15° 18' 05.8"	E76° 16' 22.4"	
P 53	N15° 18' 02.7"	E76° 16' 14.9"	
P 54	N15° 18' 05.3"	E76° 16' 06.9"	BRIDGE
P 55	N15° 18' 08.9"	E76° 16' 04.9"	TEMPLE
P 56	N15° 18' 26.0"	E76° 15' 49.4"	
P 57	N15° 18' 26.1"	E76° 15' 46.2"	
P 58	N15° 18' 31.3"	E76° 15' 36.1"	VILLAGE BOUNDARY INTERSECTION
P 59	N15° 18' 38.5"	E76° 15' 22.1"	HOTEL
P 60	N15° 18' 45.7"	E76° 15' 15.3"	DIVERTION POINT TO PETROL BUNK
P 61	N15° 19' 00.5"	E76° 15' 19.7"	
P 62	N15° 19' 08.1"	E76° 15' 20.1"	
P 63	N15° 19' 13.2"	E76° 15' 18.0"	NE CORNER OF SARVANAN ALLOWS
P 64	N15° 19' 19.8"	E76° 14' 45.6"	
P 65	N15° 19' 20.0"	E76° 14' 37.8"	PETROL BUNK
P 66	N15° 19' 19.4"	E76° 14' 35.9"	
P 67	N15° 19' 19.4"	E76° 14' 28.8"	
P 68	N15° 19' 19.9"	E76° 14' 23.3"	ROAD JUNCTION OF HOSA KANAKAPUR
P 69	N15° 19' 23.4"	E76° 14' 08.5"	VILLAGE BOUNDARY INTERSECTION
P 70	N15° 19' 24.7"	E76° 13' 56.9"	
P 71	N15° 19' 23.9"	E76° 13' 52.3"	
P 72	N15° 19' 22.9"	E76° 13' 49.1"	
P 73	N15° 19' 17.2"	E76° 13' 43.4"	
P 74	N15° 19' 15.7"	E76° 13' 26.9"	
P 75	N15° 19' 13.8"	E76° 13' 23.2"	
P 76	N15° 19' 12.6"	E76° 13' 13.5"	MILE STONE OF HALAVARTHI VILLAGE
P 77	N15° 19' 36.0"	E76° 13' 13.8"	SE CORNER OF AISL BOUNDARY
P 78	N15° 19' 42.4"	E76° 13' 13.8"	INLET CHAMBER
P 78 A	N15° 19' 52.7"	E76° 13' 14.0"	VILLAGE BOUNDARY INTERSECTION
P 79	N15° 20' 34.7"	E76° 13' 14.5"	
P 80	N15° 20' 34.7"	E76° 13' 11.4"	AISL RESERVOIR

AREA DETAILS

PARTICULAR	AREA (Ha)
FOREST	1.84
REVENUE	5.47
TOTAL	7.31

EXISTING 33 KV TRANSMISSION LINE FROM LINGAPUR TO KALYANI & KIRLOSKAR SUB STATION (DATUM WGS 84)

PARTICULAR	LATITUDE	LONGITUDE
T1	N15 17 42.1	E76 19 32.0
T2	N15 17 40.9	E76 19 32.4
T3	N15 17 35.3	E76 19 34.0
T4	N15 17 28.0	E76 19 36.2
T5	N15 17 27.2	E76 19 36.6
T6	N15 17 26.4	E76 19 35.7
T7	N15 17 20.9	E76 19 24.8
T8	N15 17 19.9	E76 19 22.9
T9	N15 17 19.9	E76 19 20.3
T10	N15 17 22.1	E76 19 15.0
T11	N15 17 22.1	E76 19 12.4
T12	N15 17 17.4	E76 19 08.0
T13	N15 17 09.7	E76 19 02.7
T14	N15 17 01.9	E76 19 01.6
T15	N15 16 54.5	E76 19 02.2
T16	N15 16 53.4	E76 19 01.5

BREAK PRESSURE TANK CO-ORDINATES

NAME	LATITUDE	LONGITUDE
1	N15° 18' 09.6"	E76° 18' 04.8"
2	N15° 18' 09.6"	E76° 18' 05.4"
3	N15° 18' 10.3"	E76° 18' 05.4"
4	N15° 18' 10.3"	E76° 18' 04.8"
Datum: WGS 84		

Datum : WGS 84			
Particular	CODE	Latitude	Longitude
PROPOSED SUB STATION	1	N15° 16' 48.9"	E76° 19' 03.0"
	2	N15° 16' 50.3"	E76° 19' 04.1"
	3	N15° 16' 51.1"	E76° 19' 03.1"
	4	N15° 16' 50.0"	E76° 19' 02.2"
PROPOSED TRANSMISSION LINE	5	N15° 16' 51.0"	E76° 19' 03.3"
	6	N15° 16' 52.2"	E76° 19' 03.2"
	7	N15° 16' 53.4"	E76° 19' 01.5"

AARESS IRON AND STEEL LIMITED & MSPL LIMITED

GEO - REFERENCE MAP OF PROPOSED WATER SUPPLY FROM FORESHORE OF TUNGABHADRA DAM NEAR INDIRA BHAVAN TO M/S. AARESS IRON & STEEL LTD AND MSPL LIMITED PLANT INPOUDING RESERVOIR NEAR HALVARTI VILLAGE KOPPAL DISTRICT, KARNATAKA

Authorised Signatory

SCALE : 1 : 7920

DATE : 16.10.2018