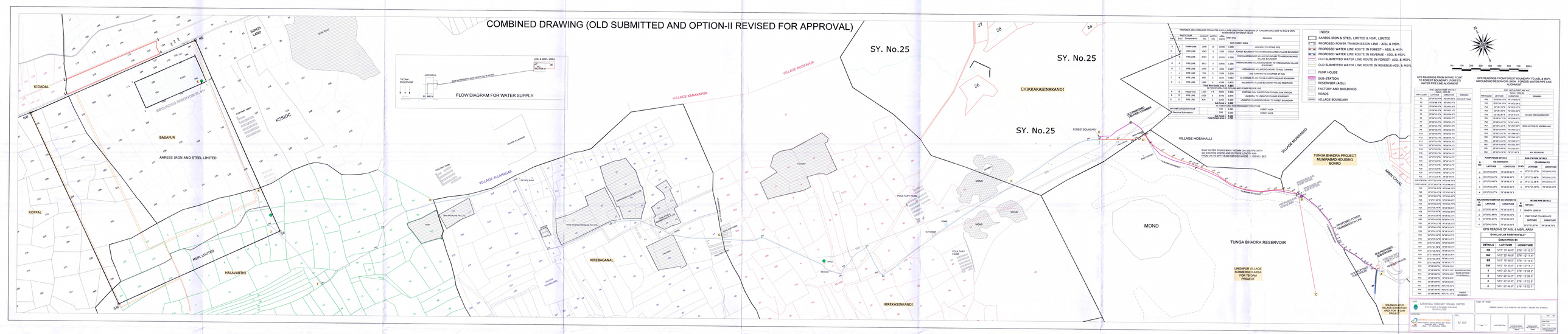
COMBINED DRAWING (OLD SUBMITTED AND OPTION-II REVISED FOR APPROVAL)



PROPOSED AREA REQUIRED FOR WATER SUPPLY PIPE LINE FROM FOREBAYS OF TUNGHABHDRA DAM TO AISL & MSPL RESERVOIR IN DIFFERENT HEADS						
PARTICULAR		LENGHT (m)	WIDTH (m)	AREA (Sqmt)	REMARKS	
Sl.no	Bnd.	Components				
					NON FOREST AREA	
A	1	1000M dia	1000	10	10000	JACKWELL TO INTAKE PIPE
B	2	PIPE LINE	1045	3	3135	FOREST BOUNDARY TO CHIKKAKASINAKANDI VILLAGE BOUNDARY
C	3	PIPE LINE	3767	3	11301	CHIKKAKASINAKANDI VILLAGE BOUNDARY TO HIREKASINAKANDI VILLAGE BOUNDARY
D	4	PIPE LINE	3852	3	10956	HIREKASINAKANDI VILLAGE BOUNDARY TO HIREBAGANAL VILLAGE BOUNDARY
E	5	PIPE LINE	1233	3	4665	HIREBAGANAL VILLAGE BOUNDARY TO AISL TURNING
F	6	PIPE LINE	703	3	2109	AISL TURNING TO SE CORNER OF AISL
G	7	PIPE LINE	540	3	1620	SE CORNER OF AISL TO HALAVARTHI VILLAGE BOUNDARY
H	8	PIPE LINE	1569	3	4708	HALAVARTHI VILLAGE BOUNDARY TO AISL RESERVOIR
		Total Main Rising pipe L			4,8651	
		PUMP HOUSE AND POWER REQUIS LINE				
A	A	Power line	1200	7.5	9000	EXISTING 33KV SUB STATION TO MSPL SUB STATION
B	D	PIPE LINE	1833	3	5760	0.576
C	D	PIPE LINE	433	3	1249	0.125
		Sub Total =			1,082	
						PERMANENT STRUCTURE
		MS well Curb pump house			625	0.063
		Electrical Sub-station			500	0.050
		Sub Total =			1,125	
		Total Forest area =			5,740	

FOREST AREA	
FOREST AREA	

INDEX

- AARESS IRON & STEEL LIMITED & MSPL LIMITED
- PROPOSED POWER TRANSMISSION LINE - AISL & MSPL
- PROPOSED WATER LINE ROUTE IN FOREST - AISL & MSPL
- PROPOSED WATER LINE ROUTE IN REVENUE - AISL & MSPL
- OLD SUBMITTED WATER LINE ROUTE IN FORES - AISL & MSPL
- OLD SUBMITTED WATER LINE ROUTE IN REVENUE AISL & MSPL
- PUMP HOUSE
- SUB-STATION RESERVOIR (AISL)
- FACTORY AND BUILDINGS
- ROADS
- VILLAGE BOUNDARY

GPS READINGS FROM INTAKE POINT TO IMPOUNDING RESERVOIR (WATER PIPE LINE ALIGNMENT)

PARTICULAR	LATITUDE	LONGITUDE	REMARKS
P1	15°17'46.97"N	76°19'14.97"E	
P2	15°17'46.97"N	76°19'03.73"E	
P3	15°17'46.97"N	76°18'52.49"E	
P4	15°17'46.97"N	76°18'41.25"E	
P5	15°18'01.97"N	76°18'06.25"E	
P6	15°18'01.97"N	76°17'55.01"E	
P7	15°18'00.97"N	76°18'53.21"E	
P8	15°18'34.71"N	76°18'51.01"E	
P9	15°18'56.25"N	76°18'56.45"E	
P10	15°19'31.41"N	76°18'55.21"E	
P11	15°19'51.21"N	76°18'54.71"E	
P12	15°20'32.41"N	76°18'54.71"E	
P13	15°21'02.97"N	76°18'54.21"E	
P14	15°21'32.97"N	76°18'53.71"E	
P15	15°21'58.21"N	76°18'53.21"E	
P16	15°22'28.97"N	76°18'52.71"E	
P17	15°22'58.97"N	76°18'52.21"E	
P18	15°23'28.73"N	76°18'51.21"E	
P19	15°23'58.73"N	76°18'50.21"E	
P20	15°24'28.97"N	76°18'51.21"E	
P21	15°25'28.97"N	76°18'51.21"E	
P22	15°25'58.97"N	76°18'50.21"E	
P23	15°26'28.97"N	76°18'49.21"E	
P24	15°26'58.97"N	76°18'48.21"E	
P25	15°27'28.97"N	76°18'47.21"E	
P26	15°27'58.97"N	76°18'46.21"E	
P27	15°28'28.97"N	76°18'45.21"E	
P28	15°28'58.97"N	76°18'44.21"E	
P29	15°29'28.97"N	76°18'43.21"E	
P30	15°29'58.97"N	76°18'42.21"E	
P31	15°30'28.97"N	76°18'41.21"E	
P32	15°30'58.97"N	76°18'40.21"E	
P33	15°31'28.97"N	76°18'39.21"E	
P34	15°31'58.97"N	76°18'38.21"E	
P35	15°32'28.97"N	76°18'37.21"E	
P36	15°32'58.97"N	76°18'36.21"E	
P37	15°33'28.97"N	76°18'35.21"E	
P38	15°33'58.97"N	76°18'34.21"E	
P39	15°34'28.97"N	76°18'33.21"E	
P40	15°34'58.97"N	76°18'32.21"E	
P41	15°35'28.97"N	76°18'31.21"E	
P42	15°35'58.97"N	76°18'30.21"E	
P43	15°36'28.97"N	76°18'29.21"E	
P44	15°36'58.97"N	76°18'28.21"E	
P45	15°37'28.97"N	76°18'27.21"E	
P46	15°37'58.97"N	76°18'26.21"E	
P47	15°38'28.97"N	76°18'25.21"E	
P48	15°38'58.97"N	76°18'24.21"E	
P49	15°39'28.97"N	76°18'23.21"E	

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

PARTICULAR	LATITUDE	LONGITUDE	REMARKS
P50	15°17'33.57"N	76°17'49.53"E	
P51	15°17'34.19"N	76°18'03.29"E	
P52	15°17'34.19"N	76°18'13.13"E	
P53	15°18'14.97"N	76°18'12.29"E	
P54	15°18'14.97"N	76°18'01.05"E	VILLAGE HIREBAGANAHALLI
P55	15°18'31.57"N	76°17'56.41"E	
P56	15°18'51.81"N	76°18'13.33"E	
P57	15°18'51.21"N	76°18'01.69"E	ROAD JUNCTION OF HIREBAGANAL
P58	15°19'14.09"N	76°18'12.21"E	
P59	15°19'33.41"N	76°18'25.41"E	
P60	15°19'33.09"N	76°18'45.24"E	
P61	15°19'33.09"N	76°19'05.24"E	
P62	15°19'33.09"N	76°19'25.24"E	
P63	15°19'33.09"N	76°19'45.24"E	
P64	15°19'33.57"N	76°20'05.53"E	AISL RESERVOIR

PUMP HOUSE DETAILS CO-ORDINATES		
SI NO	LATITUDE	LONGITUDE
A	15°17'31.28"N	76°18'48.43"E
B	15°17'31.81"N	76°18'48.43"E
C	15°17'31.84"N	76°18'48.17"E
D	15°17'31.28"N	76°18'47.90"E
E	15°17'31.28"N	76°18'48.17"E

SUB-STATION DETAILS CO-ORDINATES		
SI NO	LATITUDE	LONGITUDE
F	15°17'23.07"N	76°18'49.76"E
G	15°17'21.06"N	76°18'49.76"E
H	15°17'21.28"N	76°18'49.51"E
I	15°17'21.28"N	76°18'49.42"E
J	15°17'23.07"N	76°18'49.76"E

BALANCING RESERVOIR CO-ORDINATES		
SI NO	LATITUDE	LONGITUDE
1	15°20'59.88"N	76°19'13.65"E
2	15°20'50.86"N	76°19'09.94"E
3	15°20'46.45"N	76°19'46.93"E
4	15°20'56.76"N	76°19'51.64"E

INTAKE PIPE DETAILS	
DETAILS	
1	LENGTH -2000 M
2	START POINT CO-ORDINATES
	LATITUDE / LONGITUDE
	15°17'22.67"N 76°18'46.15"E

GPS READING OF AISL & MSPL AREA

Grid Lat/Lon Add"mm"s.s"	
Datum:WGS 84	
DETAILS	LATITUDE / LONGITUDE
NE	N15° 20' 48.6" E76° 19' 15.3"
NW	N15° 20' 48.3" E76° 12' 11.4"
SE	N15° 15' 36.2" E76° 19' 14.4"
SW	N15° 15' 35.9" E76° 12' 11.7"
1	N15° 20' 48.7" E76° 12' 28.2"
2	N15° 20' 54.5" E76° 12' 28.5"
3	N15° 20' 53.9" E76° 13' 02.6"
4	N15° 20' 48.9" E76° 19' 02.1"

KARNATAKA SEWAGHAT NIGAMA LIMITED
(A Government of Karnataka Undertaking)
Bangalore-560 001

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NAME OF WORK

COMBINED DRAWING (OLD SUBMITTED AND OPTION-II REVISED FOR APPROVAL)

DESIGNED	DRAWN	TRACED	CHECKED	SUPERVISED	SUBMITTED	SCALE
						1cm. = 1m.
DATE	DATE	DATE	DATE	DATE	DATE	DATE
						1cm. = 1m.

DRAWING NO.
01 MAP

FOR AARESS IRON AND STEEL LIMITED

AUTHORISED SIGNATORY