

**SALIENT DETAILS**  
**CWSS TO ARACHALUR**

1. Scheme cost	: Rs 1183.20 Lakhs
2. Beneficiaries	: Town Panchayat – 3Nos. Habitations – 77Nos.
3. Population	: 81315
4. Designed quantity	: 4.40mld
5. Head Works	
a. Source	: River Cauvery 3.00m dia Infiltration well- 3Nos. 6.00m dia Collection well
6. Pumpsets	: 7.5 HP Sub.-3Nos.- 965lpmx20m 10HP Sub.-2Nos.- 1144lpmx18m 75HP Turbine- 4575lpmx55m–2Nos.
7. Hours of pumping	: 20 Hours
8. Transmission main	
a) Pumping main	: 26165m
9. Booster Station	
a) Sump	: 1.75LL
b) Pumpset	: 75HP HSC- 2790 lpm x 39 m - 2Nos.
10. Feeder main	: 12655m
11. No. of Group sumps with capacity	: 3 Nos.
(a) Sump Capacity	: 1.50 LL – 1 No. 0.75 LL – 1No. 0.10 LL – 1No.
12. Service Reservoirs	: 87 Nos.
( In various capacity )	

# ARACHALUR - AVAL POONDURAI CWSS FLOW DIAGRAM

INFILTRATION WELLS – 3 NOS  
SUB 7.5 HP & 3 NOS EOR  
ARCHALUR MAIN SCHEME

INFILTRATION WELL-1NO  
WITH 10 HP SUBMERSIBLE  
– 2 NOS FOR ARACHALUR  
EXTENSION

RIVER CAUVERY

**Collection Well**

**BS**

75 HP TURBINE – 2 Nos  
(4575 LPM x 55M)  
AT KOLANALLI (HW)  
FVL: 123.500  
AVGL: 127.350

32 LPM VADUGANUR  
(10000) MERKALKADU  
MWL: 170.835  
LWL: 168.335  
AVGL: 162.835  
PF: 3

KOVILPALAYAM (H)  
(10000) – 15 LPM  
MWL: 177.535  
LWL: 175.035  
AVGL: 168.085  
PF: 3

LS 1010  
KOVILPALAYAM  
(10000) 25 LPM  
MWL: 226.550  
LWL: 224.050  
AVGL: 211.550  
PF: 11

KOLANALLI – OHT  
10,000  
30 LPM  
90 PVC 25 M  
400 CI LA – 512 M  
LS 520  
4575 LPM  
5518 m  
400 AC C/10  
LS 530 KASIKADU (30,000)  
LWL: 180.060  
MWL: 182.560  
AVGL: 174.060  
PF: 8

CENTRIFUGAL  
PALANGALAM  
75 HP : 2(4186 x 48)  
10 HP : 2 (389 x 47)

PAPAVALASU  
32 LPM (10,000)  
LWL: 171.670  
MWL: 174.170  
AVGL: 166.170  
PF: 5

LS 1955 15 LPM  
45 M  
90 PVC – 6Kg  
90 PVC – 4Kg  
LS 1400  
LS 1260  
LS 250  
61 LPM  
MERKU  
MINNAPALAYAM  
(30,000)  
LS 550  
LWL: 183.380  
MWL: 185.880  
AVGL: 177.380  
PF: 11

KOOTELLAIKADU– H  
(10000)  
MWL: 198.495  
LWL: 195.995  
AVGL: 190.495  
PF: 5

POOSARI PALAYAM – H  
14 LPM (10000)  
MWL: 201.970  
LWL: 199.470  
AVGL: 193.970  
PF: 5

PUSARIPALAYAM  
(10000) – 17LPM  
MWL: 194.625  
LWL: 192.125  
AVGL: 186.175  
PF: 3

KULAVILAKU – 30 LPM  
(KASPA) (30000)  
MWL: 191.475  
LWL: 188.975  
AVGL: 182.975  
PF: 13

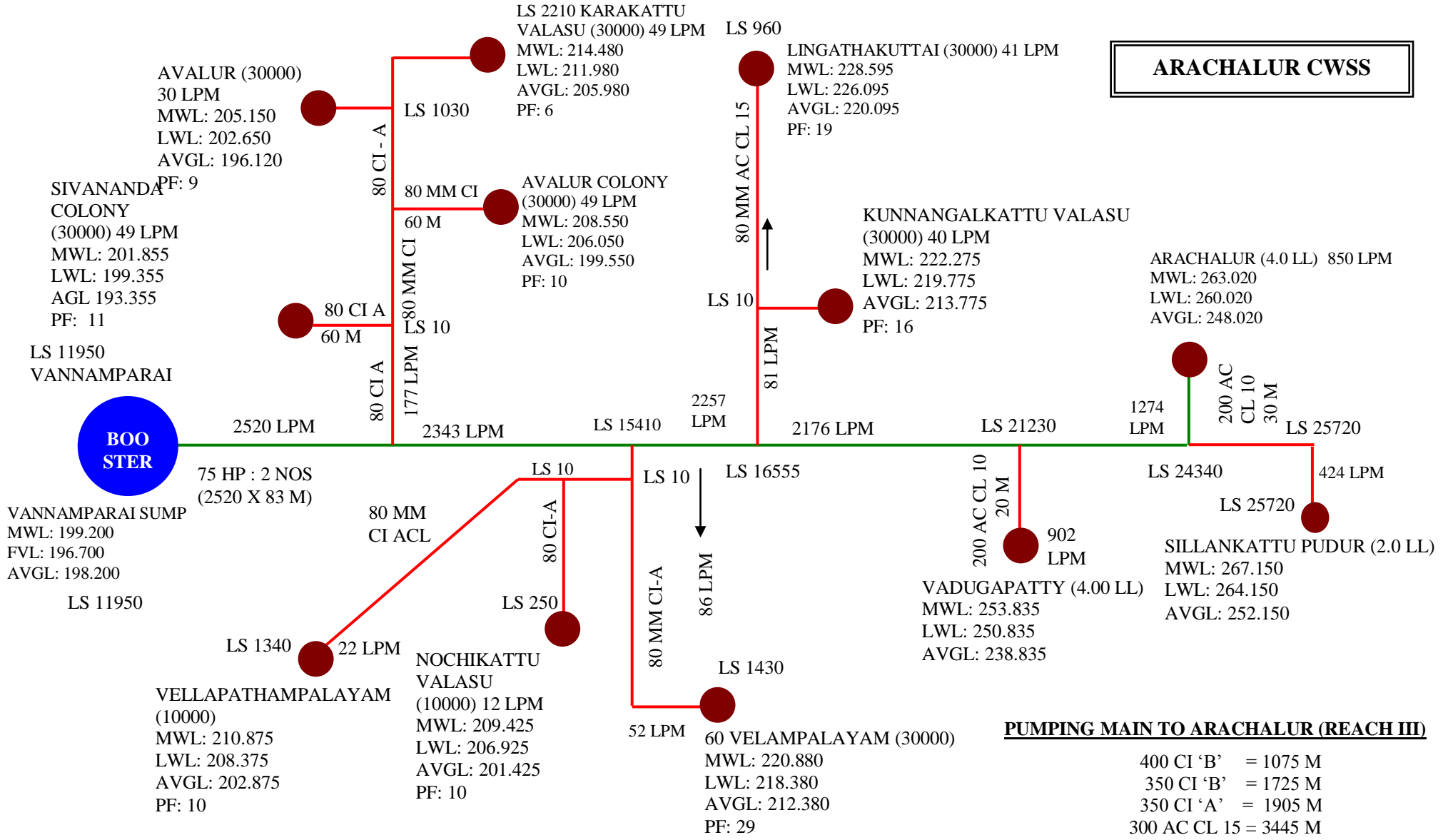
LS 1320  
LS 1595  
LS 3230  
350 AC  
CL15-260 M  
90 PVC – 4Kg  
LS 1460  
LS 4370  
5600 M  
CL15 - 260  
4186 LPM  
90 PVC – 4Kg

PALANIANDAVAR  
KUNDRU (10000) – 16 LPM  
MWL: 190.715  
LWL: 188.215  
AVGL: 182.715  
PF: 2

45 LPM  
KARUPPANNA SAMYKOIL  
(NEAR) KANAKKAMPALAYAM  
(30000)  
MWL: 194.750  
LWL: 192.250  
AVGL: 186.250  
PF: 14

**REACH I & II**

# ARACHALUR CWSS



**PUMPING MAIN TO ARACHALUR (REACH III)**

400 CI 'B'	= 1075 M
350 CI 'B'	= 1725 M
350 CI 'A'	= 1905 M
300 AC CL 15	= 3445 M
300 AC CL 10	= 1500 M
250 AC CL 10	= 3125 M
150 AC CL 10	= 1440 M
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	<u>14215 M</u>

**BOOSTER MAIN TO AVAL POONDURAI REACH IV**

