

KRISHNAGAR

SALIENT FEATURES OF WATER SUPPLY SCHEME

1	Name of the Town	:	Krishnagar
2	Name of the District	:	Nadia
3	Town Population (2001)	:	139,010
	Municipal Population (2001)		48,891
4	Design Population (2038)		
	Zone 5	:	31,032
	Zone 6	:	29,795
	Zone 7	:	11,238
	Zone 8	:	22,435
	Total Design Population (2038)	:	94,500
5	Source of Water	:	Ground water through deep tube wells
6	Total number of wards	:	24 (Twenty four)
7	Number of wards covered	:	6 (Six)
8	Ward numbers covered	:	12, 16, 17, 22, 23 & 24
9	Daily Water Demand (Ultimate Year)	:	
	Zone 5	:	3.32 Million Liters per Day (MLD)
	Zone 6	:	3.20 MLD
	Zone 7	:	1.34 MLD
	Zone 8	:	2.47 MLD
	Total daily Water Demand	:	10.33 MLD
10	Per Capita Water Supply proposed	:	70 liters per capita per day (lpcd)
11	Number of zones proposed for augmentation	:	4 (Four)

12	Hours of pumping		12 hours/ day
13	Hours of supply	:	8 hours/ day
14	Number of Over Head Reservoirs (OHR) Proposed	:	4 (Four) @ one in each zone
15	Capacity/ Staging Height of proposed OHRs		
	Zone 5	:	1.000 Million Liters (ML)/ 20 m
	Zone 6	:	0.950 ML/ 20 m
	Zone 7		0.400 ML/ 20 m
	Zone 8		0.750 ML/ 20 m
16	Number of Deep Tube Wells Proposed	:	12 (Twelve)
	40 mm dia 200 m deep		4 (Four) Nos.
	300mm X200 mm 150 m deep	:	8 Eight) Nos.

17	Length of Distribution pipeline proposed	:	53.951 Km (DI K9 pipe)
	Zone 5		16.356 Km
	100 mm dia	:	5420 m
	150 mm dia	:	3150 m
	200 mm dia	:	2322 m
	250 mm dia	:	2260 m
	300 mm dia	:	2180 m
	350 mm dia	:	904 m
	400 mm dia	:	120 m
	Zone 6		12.500 Km
	100 mm dia	:	5290 m
	150 mm dia	:	3170 m
	200 mm dia	:	3240 m
	250 mm dia	:	760 m
	350 mm dia	:	40 m
	Zone 7		9.215 Km
	100 mm dia	:	9105 m
150 mm dia	:	70 m	
200 mm dia	:	40 m	
Zone 8		15.880 Km	
100 mm dia	:	7830 m	
150 mm dia	:	7810 m	
200 mm dia	:	200 m	
250 mm dia	:	40 m	
18	Type & number of pumps proposed	:	11 (Eleven) Nos. submersible pumps
	Zone 5	:	3 nos. 30 HP submersible pumps
	Zone 6	:	3 nos. 30 HP submersible pumps

19	Zone 7	:	2 nos. 12.5 HP submersible pumps
	Zone 8	:	3 nos. 22.5 HP submersible pumps
	Project Cost		Rs.1206.96 lakh
	Contingencies @ 3%	:	Rs.36.21 lakh
	Total	:	Rs.1243.17 lakh
	Incentives @ 5%	:	Rs.62.16 lakh
	Grand total	:	Rs.1305.33 lakh (Say Rs.1305 lakh)
20	Annual O&M Cost		
	Base year 2008	:	Rs.32.45 lakh
	Intermediate year 2023	:	Rs.32.80 lakh
	Ultimate year 2038	:	Rs.42.52 lakh
21	Per Capita Cost on 2038 AD population	:	Rs.1512.00
22	Cost of production per KL		
	Base year 2008	:	Rs.1.23
	Intermediate year 2023	:	Rs.1.02
	Ultimate year 2038	:	Rs.1.13
23	Funding Pattern		
	GOI (Including Incentive)	:	Rs.1056.40 lakh
	GOWB	:	Rs.124.30 lakh
	ULB	:	Rs.124.30 lakh
24	Implementation Period		
	Year of Commencement	:	2006
	Year of Completion	:	2008
25	Agencies responsible		
	Nodal		SUDA
	Implementation	:	M.E. Dte.
	O&M	:	Krishnagar Municipality