

SPECIAL CONDITIONS OF CONTRACT

- 1) Only one rate is to be quoted for entire sub-division.
- 2) The potable drinking water, which should be fit from hygienic point of view, is required to be supplied as per Railway's requirement at the location & period for supply as advised by ADEN/ SSE (Works) Incharge.
- 3) The rates should be inclusive of all charges and no extra payment what-so-ever on any account will be payable to the contractor.
- 4) Supply of Water shall be governed by the Tender Conditions of Contracts.
- 5) **Quality of Water:-**
 - i) Water shall be potable with respect to suspended & dissolved impurities.
 - ii) The sources of water supply shall be got approved by the Engineer beforehand.
 - iii) Water will be sent for chemical or bacteriological tests to Medical Supdt. or to Laboratory, as and when required by Engineer In charge by taking sample (as per standard procedure in presence of contractor or his representative, as the cost of contractor.
- 6) **Quantity-** Contractor shall supply drinking water regularly as directed by Engineer/SSE(Works) at given locations. If contractor fails to supply the quantity at location as directed Rs.5000/- per day per location shall be fined.
- 7) **Payment:-**
 - i) The capacity of the tanker shall be intimated in advance by the contractor and will be got checked from Engineer / Engineer's representative. Tankers will be numbered, site and capacity will be indicated on each.
 - ii) The machine numbered challans prepared by the contractor for supply of water will be acknowledged by representative of Engineer deputed on each location. Challan printed for this purpose as per Performa given by Engineer shall be arranged by contractor at his cost.
 - iii) Payment will be made as per actual supply of water through tankers or as per measurements of underground hauzes / storages tanks / drums etc. The quantity supplied has to be witnesses by a person nominated for this purpose by AEN of the section, without which payment shall not be made.
 - iv) Regular record showing dates and quantity supplied will be maintained by the Inspector. This shall also be witnesses by contractor or his representative.
 - v) The contractor shall be responsible for bringing portable water through kutchra or pucca routes. Nothing extra will be paid for crossing nallah, bridges, tracks etc. and other eventuality.

I agree to abide by the above conditions.

Place-
Date-

Signature of Tenderer/s
Address-

STANDARDS OF QUALITY OF DRINKING WATER

PHYSICAL AND CHEMICAL STANDARDS

S.No.	Characteristics	Requirement (Desirable limit)	Permissible limit in the absence of alternate source
(1)	(2)	3	4
1.	Turbidity (NTU scale) 5.0	10	
2.	Colour Haten units 5.0	25	
3.	Taste and odour	Unobjectionable	---
4.	Ph value	6.5 to 8.5	No relaxation
5.	Total dissolved solids(mg/l) max.	500	2000
6.	Total hardness as CaCo3(mg/l) max.	300	600
7.	Chlorides as Cl2(mg/l)	250	1000
8.	Sulphates as SO4 (mg/l) max.	200	400
9.	Fluorides as F (mg/l)max.	1.0	1.5
10.	Nitrates as No3 (mg/l)max.	45	100
11.	Calcium as Ca (mg/l)max.	75	200
12.	Iron as Fe (mg/l)max.	0.3	1.0
13.	Zinc as Zn (mg/l)max.	5.0	15.0
14.	Mineral Oil (mg/l)max.	0.01	0.03
15.	Copper as Cu (mg/l)max.	0.05	1.5
	Toxic materials		
16.	Arsenic as As (mg/l)max.	0.05	No relaxation
17.	Cadmium as Cd (mg/l)max.	0.01	-do-
18.	Lead as Pb (mg/l)max.	0.05	-do-
19.	Residual free chlorine (mg/l)max.	0.2*	---

Source :Indian Standard - Drinking water - specification (First Revision)
IS:10500 - 1991 by BIS

*When protection against viral infection is required, it should be min. 0.5 mg/l.

Place-
Date-

Signature of Tenderer/s
Address-

WATER IS TO BE SUPPLIED AT FOLLOWING LOCATIONS

Sr. No	LGH-PLC Section/Locations	Required Per Day Qty. (Ltr.)
1	Gang No. 03	6560
2	Gang No. 04	7560
3	Gang No. 05	12890
4	GJN Station & Qtrs.	29330
5	LC No.11	2560
6	DTRD Station & Qtrs.	30780
7	LC No. 26 & Qtrs.	14450
8	RNRI Gang No. 10	17000
9	NKRA Station & Qtrs.	32250
10	KDRT Gang No.12	15780
11	SIRD Station & Qtrs.	29450
12	LC No.45	2230
13	BRSD Gang No. 15	15560
14	HDGL Gang No. 17	13230
15	MAAR Station & Qtrs.	27780
16	Rest Shelter LGH-PLC Section 17 Nos.	510

Note: - The above indicated stations/ Section/Locations are tentative and Railway reserves the right to effect the changes as per exact/actual requirement.

Place-
Date-

Signature of Tenderer/s
Address-