

ANNEXURE -1

SPECIAL CONDITIONS FOR SUPPLY OF WATER :-

1. Only one rate is to be quoted for entire Jurisdiction.
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/ SE(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.

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 before hand.
- 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 / SE(Works) at given locations. If contractor fails to supply the quantity at location as directed Rs.250/- 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 ADEN 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 kutcha 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	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
13	Zinc as Zn (mg/l) max.	5	15
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*	---

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