



NAIROBI CITY WATER & SEWERAGE COMPANY LTD.

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NCWSC/SCD/CONT/33/2022/VOL.III/8157/BKK

22nd February, 2023

ALL BIDDERS

To _____

Dear Sir,

RE: ADDENDUM NO. 1 - NCWSC/33/2022 - SUPPLY AND DELIVERY OF HDPE, UPVC PIPES & PPR IN LOTS.

Bidders are advised to take note of the additions on the Technical Specifications (Annex 1).

The closing date still remains as **Friday, 10th March, 2023 at 12:00 noon.**


Benedict Kiema
For Managing Director

Board of Directors:

N.C.C County Secretary, N.C.C. C.E.C.M. Finance & Economic Planning, N.C.C. C.O. Water, Sanitation & Energy, Eng. N. M. Muguna (Managing Director)

ANNEX 1

Technical Specifications

a) HDPE pipes

1. Pipes shall conform to KS ISO 4427, or DIN 8077/8078, at a minimum.
2. The pressure rating of the pipes changes to be 12.5bars

b) UPVC Technical specs

3. The pipes shall conform to BS EN 1401-1: 2019 (formerly BS 3505:1986).
4. Having a stiffness (SN) of 8 or 10, i.e. SN 8 or SN 10kN/M²), and Dimension ratio (SDR) not less than 34.

External diameter, D (mm)	LB (mm)	SN 8/SDR 34	
		Wall thickness (mm)	Weight (kg/m)
110	56.9	3.2	1,800
125	62.8	3.2	2,062
160	75.8	4.7	3,300
200	89.4	5.9	5,058
250	112.8	7.3	8,000
315	135.4	9.2	12,520
400	198.0	9.8	20,232

5. Be operable up to a temperature of 60°C.
6. All pipes to be colour coded Orange.

c) PPR PIPE DELIVERY PACKAGE

- I. All sizes of PPR pipes shall be delivered in 100 meters roll.
- II. All pipes to be Green in colour
- III. Pressure rating of 16bars for cold water
- IV. Pipes to conform to KS ISO 1452-2:2009 or BS EN 12201-1:2011 minimum.

Diameter(mm)	Thickness(mm)	Weight(Kg/m)
16	2.3	0.099
20	2.8	0.148
25	3.5	0.230
32	4.4	0.370
40	5.5	0.568
50	6.9	0.890
63	8.6	1.405
75	10.3	2.024
90	12.3	2.836