

## FOREWARD

This addendum to PSR 2013-14 for all four Regions is released by including the brand name of 'Nandi' uPVC pipes and 'True bore' uPVC pipes & casing pipes in the item for basic rates and specifications in the finished items . Further additional items for using the Portland Slag Cement are included in the Building works sub-head No.4- Concrete Work, 5-Reinforced cement work , 20- Pile work and in the Road work (MOST) sub-head no.7- culverts and in the Bridge work (MORTH) sub-head no.12- Foundation. The adoption of these additional items using Portland Slag Cement has been made according to the fulfillment of requirements and provisions in the IS 456 : 2000 and the design parameters for Slag Cement may be adopted according to the provisions of IS 455 – 1989.

Some frequently used Non – PSR items under Irrigation and Sewerage sub heads will be released shortly. Further it is decided to follow the latest CPWD analysis of Rates 2013 to arrive the forth coming PSR. The above decisions were taken based on the recommendation of PSR Standing Committee Meeting held on 10/12/2014.



(S.MANOHAR)  
CHIEF ENGINEER  
PWD, PUDUCHERRY

## 1. Inclusion of Brand names in the Basic Rates

Sl.No	Code.No	Description		Unit	Rate in Rs
		For	Read		
1	1616AA	UPVC Pipe – 20mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 20mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	15.15
2	1616BB	UPVC Pipe – 25mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 25mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	22.80
3	1616C	UPVC Pipe – 32mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 32mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	37.50
4	1616D	UPVC Pipe – 40mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 40mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	57.00
5	1616E	UPVC Pipe – 50mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 50mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	90.00
6	1616F	UPVC Pipe – 63mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 63mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	142.00
7	1616G	UPVC Pipe – 75mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 75mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	202.50
8	1616H	UPVC Pipe – 90mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 90mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	289.00
9	1616I	UPVC Pipe – 110mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 110 mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	433.00
10	1616J	UPVC Pipe – 140mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 140 mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	698.00

11	1616K	UPVC Pipe – 160mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 160 mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	685.00
12	1616L	UPVC Pipe – 180mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 180 mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	1182.50
13	1616M	UPVC Pipe – 200mm dia (1MPa)-(Finolex / Jain / Supreme)	UPVC Pipe – 200 mm dia (1MPa)-(Finolex / Jain / Supreme / True bore / Nandi)	metre	1460.00
14	1617AA	UPVC Pipe – 40mm dia (0.6 MPa) – (Supreme / Nandi / True bore etc.)	UPVC Pipe – 40mm dia (0.6 MPa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	37.65
15	1617BB	UPVC Pipe – 50mm dia (0.6 MPa) – (Supreme / Nandi / True bore etc.)	UPVC Pipe – 50mm dia (0.6 MPa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	56.00
16	1617C	UPVC Pipe – 63 mm dia (0.6 MPa) – (Supreme /Nandi / True bore etc.)	UPVC Pipe – 63 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	86.40
17	1617D	UPVC Pipe – 75 mm dia (0.6 MPa) – (Supreme /Nandi / True bore etc.)	UPVC Pipe – 75 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	121.75
18	1617E	UPVC Pipe –90 mm dia (0.6 MPa) – ( Finolex / Jain / Supreme)	UPVC Pipe – 90 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	174.30
19	1617F	UPVC Pipe – 110 mm dia (0.6 MPa) – ( Finolex / Jain / Supreme)	UPVC Pipe – 110 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi*)	metre	254.80
20	1617G	UPVC Pipe – 140 mm dia (0.6 MPa) – ( Finolex / Jain / Supreme)	UPVC Pipe – 140 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	421.65
21	1617H	UPVC Pipe – 160 mm dia (0.6 MPa) – ( Finolex / Jain / Supreme)	UPVC Pipe –160 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	543.20
22	1617I	UPVC Pipe – 180 mm dia (0.6 MPa) – ( Finolex / Jain / Supreme)	UPVC Pipe –180 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	682.50

23	1617J	UPVC Pipe – 200 mm dia (0.6 MPa) – (Finolex / Jain / Supreme)	UPVC Pipe –200 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	869.00
24	1617K	UPVC Pipe – 250 mm dia (0.6 MPa) – (Finolex / Jain / Supreme)	UPVC Pipe –250 mm dia (0.6 MPa) – (Finolex/Jain/Supreme / True bore / Nandi)	metre	738.00
25	1618AA	UPVC Pipe – 63mm dia (0.4Mpa) – (Supreme / Nandi / True bore etc.)	UPVC Pipe – 63mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	58.00
26	1618BB	UPVC Pipe – 75mm dia (0.4Mpa) – (Supreme / Nandi / True bore etc.)	UPVC Pipe – 75mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	83.00
27	1618C	UPVC Pipe – 90mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 90mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	119.00
28	1618D	UPVC Pipe – 110mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 110mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	171.00
29	1618E	UPVC Pipe – 140mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 140mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	285.50
30	1618F	UPVC Pipe – 160mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 160mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	376.30
31	1618G	UPVC Pipe – 180mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 180mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	530.00
32	1618H	UPVC Pipe – 200mm dia (0.4Mpa) – (Finolex / Jain / Supreme)	UPVC Pipe – 200 mm dia (0.4Mpa) – (Finolex / Jain / Supreme / True bore / Nandi)	metre	594.00

## 2. Inclusion of Brand names in the Finished items

SL.No	Code.No	Description		Unit	Rate Rs.
		For	Read		
1	31.160.1A	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 20 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 20 mm dia	metre	27.56
2	31.160.1B	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment ,	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials	metre	37.24

		including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 25 mm dia	such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 25 mm dia		
3	31.160.1C	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 32 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 32 mm dia	metre	58.41
4	31.160.1D	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment ,	metre	83.10

		<p>joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 40 mm dia</p>	<p>including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 40 mm dia</p>		
5	31.160.1E	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 50 mm dia</p>	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 50 mm dia</p>	metre	126.68
6	31.160.1F	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to</p>	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of</p>	metre	193.57

		proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 63 mm dia	joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 63 mm dia		
7	31.160.1G	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 75 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 75 mm dia	metre	270.15
8	31.160.1H	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches ,	metre	382.61



		site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 90 mm dia	laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 90 mm dia		
9	31.160.1I	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification –110 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 110 mm dia	metre	538.80
10	31.160.1J	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including	metre	862.88

		including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification –140 mm dia	transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 140 mm dia		
11	31.160.1K	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification –160 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 160 mm dia	metre	847.20
12	31.160.1L	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to	metre	1451.53

		specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification –180 mm dia	IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 180 mm dia		
13	31.160.1M	Providing , laying and jointing UPVC pipes (Finolex / Jain)(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification –200 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain / Supreme / Truebore / Nandi )(1Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement, UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc., complete all as per IS and CPWD specification – 200 dia	metre	1789.11
14	31.161.1A	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	58.60

		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 40mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification – 40mm dia		
15	31.161.1B	Providing, laying and jointing UPVC pipes (Finolex / Jain) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 50mm dia	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme /True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –50mm dia	metre	83.64
16	31.161.1C	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	123.18

		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 63mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –63mm dia		
17	31.161.1D	Providing, laying and jointing UPVC pipes (Finolex / Jain) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 75mm dia	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme /True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –75mm dia	metre	167.93
18	31.161.1E	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	226.90

		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 90mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –90mm dia		
19	31.161.1F	Providing, laying and jointing UPVC pipes (Finolex / Jain) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 110mm dia	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme /True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –110mm dia	metre	323.96
20	31.161.1G	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	529.70

		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 140mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –140mm dia		
21	31.161.1H	Providing, laying and jointing UPVC pipes (Finolex / Jain) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 160mm dia	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme /True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –160mm dia	metre	676.24
22	31.161.1I	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	848.71

		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 180mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –180mm dia		
23	31.161.1J	Providing, laying and jointing UPVC pipes (Finolex / Jain) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 200mm dia	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme /True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –200mm dia	metre	1076.57
24	31.161.1K	Providing, laying and jointing UPVC pipes (Finolex / Jain)	Providing, laying and jointing UPVC pipes (Finolex / Jain / Supreme	metre	918.64



		(0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment, including cost of solvent cement, UPVC specials such as bends, tees, threaded pieces, couplers, reducer , endcaps, etc., complete all as per IS and CPWD specification – 250mm dia	/True bore/Nandi) (0.6Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site, lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , endcaps etc complete all as per IS and CPWD specification –250mm dia		
25	31.162.1A	Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 63 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 63 mm dia	metre	87.23
26	31.162.1B	Providing , laying and jointing UPVC	Providing , laying and jointing UPVC pipes	metre	118.88

		<p>pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 75 mm dia</p>	<p>(Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 75 mm dia</p>		
27	31.162.1C	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 90 mm dia</p>	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 90 mm dia</p>	metre	160.23

28	31.162.1D	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 110 mm dia</p>	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 110 mm dia</p>	metre	222.92
29	31.162.1E	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD</p>	<p>Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 140 mm dia</p>	metre	365.55

		specification – 140 mm dia			
30	31.162.1F	Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 160 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 160 mm dia	metre	475.02
31	31.162.1G	Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc.,	Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 180 mm dia	metre	664.85

		complete all as per IS and CPWD specification – 180 mm dia			
32	31.162.1H	Providing , laying and jointing UPVC pipes (Finolex / Jain)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 200 mm dia	Providing , laying and jointing UPVC pipes (Finolex / Jain Supreme / True bore / Nandi)(0.4 Mpa) conforming to IS specification 4985 and ISI marked including transportation to the site , lowering to the trenches , laying to proper grade and alignment , testing of joints with required testing equipment , including cost of solvent cement , UPVC specials such as bends , tees , threaded pieces , couplers , reducer , end caps etc., complete all as per IS and CPWD specification – 200 mm dia	metre	745.03
33	33.27.7	Supplying of UPVC plain casing pipe for borewells (FINOLEX / JAIN) conforming to I.S.12818 – 1992 with relevent amendments with class designation ‘CM’ and with minimum wall thickness 10mm including transportation and stocking site – 200 mm dia	Supplying of UPVC plain casing pipe for borewells (Finolex / Jain / Supreme / True bore / Nandi ) conforming to I.S.12818 – 1992 with relevent amendments with class designation ‘CM’ and with minimum wall thickness 10mm including transportation and stocking site – 200 mm dia	metre	1790.37
34	33.27.8	Supplying of UPVC ribbed screen slotted pipe for borewells (FINOLEX / JAIN) conforming to IS	Supplying of UPVC ribbed screen slotted pipe for borewells (Finolex / Jain / Supreme / True bore / Nandi) conforming	metre	2130.36

		12818 – 1992 with relevant amendments with class designation 'RS' and with minimum wall thickness 10mm including transportation and stocking site – 200 mm dia	to IS 12818 – 1992 with relevant amendments with class designation 'RS' and with minimum wall thickness 10mm including transportation and stocking site – 200 mm dia		
--	--	--	--	--	--

### 3. Additional items in the Basic Rates

Sl.No	Code.No	Description	Unit	Rate in Rs
<b>Building Works</b>				
1.	0367B	Portland Slag Cement	tonne	6400.00
<b>Road Work (MOST)</b>				
2.	0101C	Portland Slag Cement	tonne	6400.00
<b>Bridge Work (MORTH)</b>				
3.	0101C	Portland Slag Cement	tonne	6400.00

## 4. Additional items in the Finished Rates

<b>Sl.No</b>	<b>Name of Sub-Head</b>
	<b>Building Work</b>
4.	Concrete Work
5.	Reinforced Concrete Work
20.	Pile work
	<b>Road Work (MOST)</b>
7.	Culverts
	<b>Bridge Work (MORTH)</b>
12.	Foundation



## 4 . Concrete Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
4.1.1.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:1:2 (1 cement:1coarse sand : 2 graded stone aggregate 20mm nominal size) - Using Portland Slag Cement	cum	7537.80
4.1.2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:1 1/2:3 (1 cement:1 1/2 coarse sand : 3 graded stone aggregate 20mm nominal size) - Using Portland Slag Cement	cum	5904.77
4.1.3.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:2:4 (1 cement:2coarse sand : 4 graded stone aggregate 20mm nominal size) - Using Portland Slag Cement	cum	5379.35

## 5 . Reinforced Concrete Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
5.1.3.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement -All work upto plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) - Using Portland Slag Cement	cum	5633.07
5.19.1.1	Encasing rolled steel sections, in beams and columns, with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) including centring and shuttering complete but excluding cost of reinforcement - Using Portland Slag Cement	cum	9397.59
5.33.1.1	Providing and laying in position machine batched , machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centring , shuttering , finishing and reinforcement , including admixtures in recommended proportions as per IS 9103 to accelerate , retard setting of concrete , improve workability without impairing strength and durability . M-25 grade reinforced cement concrete by using 410 kg of cement per cum of concrete - All work upto floor V level. - Using Portland Slag Cement	cum	7025.01
5.34.2.2	Add or deduct for providing richer or leaner mixes respectively at all floor levels - Providing M-35 grade concrete by using 428 kg of cement per cum of concrete instead of M-25 grade B.M.C / RMC. - Using Portland Slag Cement	cum	158.42

## 20 . Pile Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
20.1.1.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 400mm dia. piles - Using Portland Slag Cement	metre	1993.72
20.1.2.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 450mm dia. Piles - Using Portland Slag Cement	metre	2437.84
20.1.3.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 500mm dia. piles. Using Portland Slag Cement	metre	2936.92
20.1.4.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 550mm dia. piles. - Using Portland Slag Cement	metre	3216.56
20.1.5.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 750mm dia. piles. - Using Portland Slag Cement	metre	5493.95

## 20 . Pile Work

<b>Code No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate Rs.</b>
20.1.6.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 1000mm dia. piles. Using Portland Slag Cement	metre	9144.51
20.1.7.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 1200mm dia. Piles - Using Portland Slag Cement	metre	11951.57
20.1.8.2	Providing, driving and installing driven cast-in-situ reinforced cement concrete piles of specified diameter and length below the pile cap M35 in cement concrete, to carry safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of shoe and the length of pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured from top of shoe to the bottom of pile cap) : 1500mm dia. Piles - Using Portland Slag Cement	metre	17057.08
20.2.1.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 300mm dia piles - Using Portland Slag Cement	metre	1556.23
20.2.2.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 400mm dia piles - Using	metre	1952.79

## 20 . Pile Work

<i><b>Code No.</b></i>	<i><b>Description</b></i>	<i><b>Unit</b></i>	<i><b>Rate Rs.</b></i>
	Portland Slag Cement		
20.2.3.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 450mm dia piles - Using Portland Slag Cement	metre	2547.38
20.2.4.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 500mm dia piles - Using Portland Slag Cement	metre	2925.69
20.2.5.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 600mm dia piles - Using Portland Slag Cement	metre	3868.61
20.2.6.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 750mm dia piles - Using Portland Slag Cement	metre	5593.73

## 20 . Pile Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
20.2.7.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 1000mm dia piles - Using Portland Slag Cement	metre	9413.61
20.2.8.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 1200mm dia piles - Using Portland Slag Cement	metre	12430.44
20.2.9.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured upto bottom of pile cap). 1500mm dia piles - Using Portland Slag Cement	metre	17989.98
20.3.1.2	Boring, providing and installing bored cast-in-situ single under reamed pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and the length of the pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured upto the bottom of pile cap): 300mm dia piles - Using Portland Slag Cement	metre	2108.66
20.3.2.2	Boring, providing and installing bored cast-in-situ single under reamed pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and the length of the pile to be embedded in the pile cap etc., all	metre	2646.92

## 20 . Pile Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
	complete. (length of pile for payment shall be measured upto the bottom of pile cap): 400mm dia piles -Using Portland Slag Cement		
20.3.3.2	Boring, providing and installing bored cast-in-situ single under reamed pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and the length of the pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured upto the bottom of pile cap): 450mm dia piles - Using Portland Slag Cement	metre	2966.25
20.3.4.2	Boring, providing and installing bored cast-in-situ single under reamed pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and the length of the pile to be embedded in the pile cap etc., all complete. (length of pile for payment shall be measured upto the bottom of pile cap): 550mm dia piles - Using Portland Slag Cement	metre	3331.22
20.4.1.2	Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified diameter (only the quantity of extra bulbs are to be paid). 300mm dia piles - Using Portland Slag Cement	bulb	1466.50
20.4.2.2	Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified diameter (only the quantity of extra bulbs are to be paid). 400mm dia piles - Using Portland Slag Cement	bulb	1703.89
20.4.3.2	Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified diameter (only the quantity of extra bulbs are to be paid). 450mm dia piles - Using Portland Slag Cement	bulb	1847.78
20.4.4.2	Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified diameter (only the quantity of extra bulbs are to be paid). 550mm dia piles - Using Portland Slag Cement	bulb	2061.44
20.5.1.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand	metre	2493.41

## 20 . Pile Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
	grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 400mm dia piles - Using Portland Slag Cement		
20.5.2.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 450mm dia piles - Using Portland Slag Cement	metre	3029.34
20.5.3.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 500mm dia piles - Using Portland Slag Cement	metre	3267.98
20.5.4.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 550mm dia piles - Using Portland Slag Cement	metre	3719.58
20.5.5.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand	metre	7075.13



## 20 . Pile Work

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
	grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 750mm dia piles - Using Portland Slag Cement		
20.5.6.2	Providing, driving and installing driven Pre-cast reinforced cement concrete piles of specified diameter and length below the pile cap in M35 cement concrete to carry safe working load not less than specified. With a central through performed hole with M.S. black pipe of dia 40mm for grouting with cement sand grouting of mix 1:2 (1 cement : 2 coarse sand) under sufficient positive pressure to ensure complete filling including centring, shuttering, driving and removing the steel casing pipe and lifting casing etc., complete but excluding the cost of steel reinforcement. (length of pile for payment shall be measured from top of the shoe to the bottom of pile cap). 1000mm dia piles - Using Portland Slag Cement	metre	9713.59

## 7 . Culverts

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
7.36.MO	Boring, providing and installing bored cast -in-situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M20 grade with a minimum cement content of 400 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debris and the waste bore mug from the site . The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) -1000 mm dia pile.- Using Portland Slag Cement	metre	7436.80
7.37.MO	Boring, providing and installing bored cast -in-situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M20 grade with a minimum cement content of 400 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debris and the waste bore mug from the site The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) -750 mm dia pile.- Using Portland Slag Cement	metre	4183.20

## 12 . Foundation

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
12.40.2	Boring, providing and installing bored cast - in - situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M35 grade with a minimum cement content of 419 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debries and the waste bore mug from the site with all lifts and lead upto 1000m - as directed by the Engineer - in - charge. The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) - pile diameter - 450mm (Using concrete mixer & Portland Slag Cement)	metre	1883.23
12.41.2	Boring, providing and installing bored cast - in - situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M35 grade with a minimum cement content of 419 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debries and the waste bore mug from the site with all lifts and lead upto 1000m - as directed by the Engineer - in - charge. The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) - pile diameter - 750mm (Using concrete mixer & Portland Slag Cement)	metre	5541.69
12.42.2	Boring, providing and installing bored cast - in - situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M35 grade with a minimum cement content of 419 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debries and the waste bore mug from the site with all lifts and lead upto 1000m - as directed by the Engineer - in - charge. The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) - pile diameter - 1000mm (Using concrete mixer & Portland Slag Cement)	metre	9298.18

## 12 . Foundation

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
12.43.2	Boring, providing and installing bored cast - in - situ reinforced cement concrete pile of specified diameter using approved drilling method to the required depth up to the cut off level in pile cap in RCC M35 grade with a minimum cement content of 419 kg / cum using Blue metal of 20mm and down gauge to carry a safe working load not less than the specified, excluding the cost of steel reinforcement but including the cost of boring with casing from Natural / formed ground level, bentonite mud circulation of approved specific gravity and the length of pile to be embedded in the pile cap. The cost shall include the cost of dismantling of laitenance / week concrete as per BIS norms, removal of dismantled debries and the waste bore mug from the site with all lifts and lead upto 1000m - as directed by the Engineer - in - charge. The rate shall include all machineries required for boring, genset, skilled labour etc. (Length of pile for payment shall be measured upto the bottom of pile cap) - pile diameter -1200mm (Using concrete mixer & Portland Slag Cement)	metre	12303.37
12.44.2	Driven cast -in -place vertical M35 grade with a minimum cement content of 419 kg / cum R.C.C. pile excluding reinforcement complete as per drawing and technical specifications - 750 mm diametre (Using concrete mixer & Portland Slag Cement)	metre	4694.28
12.45.2	Driven cast -in -place vertical M35 grade with a minimum cement content of 419 kg / cum R.C.C. pile excluding reinforcement complete as per drawing and technical specifications - 1000 mm diametre (Using concrete mixer & Portland Slag Cement)	metre	7807.61
12.46.2	Driven cast -in -place vertical M35 grade with a minimum cement content of 419 kg / cum R.C.C. pile excluding reinforcement complete as per drawing and technical specifications - 1200 mm diametre (Using concrete mixer & Portland Slag Cement)	metre	11361.26
12.47.2	Driven precast vertical M 35 grade with a minimum cement content of 419 kg / cum R.C.C piles excluding reinforcement complete as per drawing and technical specifications - 500 mm diameter pile (using crane, vibrating pile driving hammer with power unit) including the cost of materials, labour and transportation cost @ 1% of material and machinery. - Using Portland Slag Cement	metre	2552.05
12.48.2	Driven precast vertical M 35 grade with a minimum cement content of 419 kg / cum RCC piles excluding reinforcement complete as per drawing and technical specifications - 750mm diameter pile (Using crane, vibrating pile drawing hammer with power unit) including the cost of materials, labour and transportation cost @ 1% of materials and machinery & Using Portland Slag Cement	metre	4420.06
12.49.2	Driven precast vertical M 35 grade with a minimum cement content of 419 kg / cum RCC piles excluding reinforcement complete as per drawing and technical specifications - 1000mm diametre pile.(using crane and vibrating pile driving hammer	metre	8867.22

## 12 . Foundation

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
	with power unit including the cost of materials, labour and transportation cost @ 1% of material and machinery. - Using Portland Slag Cement		
12.50.2	Driven precast vertical M35 grade with a minimum cement content of 419 kg / cum RCC piles excluding reinforcement complete as per drawing and technical specifications - size of pile 300mm x 300mm.(Using crane and vibrating pile driving hammer with power unit including the cost of materials, labour and transportation cost @ 1% of material and machinery. Using Portland Slag cement	metre	1796.93
12.51.2	Driven precast vertical M 35 grade with a minimum cement content of 419 kg / cum RCC piles excluding reinforcement complete as per drawing and technical specifications - size of pile 500 mm x 500 mm (Using crane and vibrating pile driving hammer with power unit including the cost of materials, labour and transportation cost @ 1% of material and machinery. Using Portland Slag Cement	metre	3017.18
12.52.2	Driven precast vertical M 35 grade with a minimum cement content of 419 kg / cum RCC piles excluding reinforcement complete as per drawing and technical specifications - size of pile 750 mm x 750mm.(Using crane, vibrating pile driving hammer with power unit) including the cost of materials, labour and transportation cost @ 1% of material and machinery. Using Portland Slag Cement	metre	5552.62
12.59A.1.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M20 with a minimum cement content of 341 kg / cum (Using Concrete mixer and electric genset) including all machineries and formwork. Using Portland Slag Cement	cum	6362.90
12.59A.2.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M20 with a minimum cement content of 341 kg / cum - (Using Batching plant , Transit mixer and Concrete pump) including all machineries and formwork. Using Portland Slag Cement	cum	5667.22
12.59B.1.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M25 with a minimum cement content of 399 kg / cum -(Using concrete mixer) including all machineries and formwork. Using Portland Slag Cement	cum	6880.66
12.59B.2.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M25 with a minimum cement content of 399 kg / cum -(Using Batching plant, Transit Mixer and Concrete Pump) including all machineries and formwork.Using Portland Slag Cement	cum	6184.97
12.59C.1.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M30 with a minimum cement content of 407 kg / cum -(Using concrete mixer)including all machineries and formwork. Using Portland	cum	6946.12

## 12 . Foundation

<i>Code No.</i>	<i>Description</i>	<i>Unit</i>	<i>Rate Rs.</i>
	Slag Cement		
12.59C.2.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M30 with a minimum cement content of 407 kg / cum -(Using Batching plant, Transit Mixer and Concrete pump) including all machineries and formwork. Using Portland Slag Cement	cum	6250.43
12.59D.1.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M35 with a minimum cement content of 422 kg / cum -(Using Concrete mixer) including all machineries and formwork. Using Portland Slag Cement	cum	7083.00
12.59D.2.1	Cement concrete for reinforced concrete in pile cap complete as per drawing and technical specifications - RCC grade M35 with a minimum cement content of 422 kg / cum -(Using Batching plant , Transit Mixer and Concrete Pump) including all machineries and formwork. Using Portland Slag Cement	cum	6387.31
12.61	Providing and laying of PCC M15 with a minimum cement content of 275 kg / cum levelling course 100mm thick below the pile cap (Using concrete mixer , electric genset and Portland Slag Cement)	cum	5610.94