

**U.P. STATE CONSTRUCTION AND INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.**

(A Govt. of U.P. Enterprises)

(AN ISO 9001:2000 certified Organisation)

Reg. Office : T.C. - 46 V, Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)

Ph.No. 0522-2305877 Fax no:- 0522-2305877

Website: www.upsknn.org

FINANCIAL BID

FOR

**Construction of fire station
Derapur at District Kanpur Dehat**

(UTTAR PRADESH)

(VOLUME-II)

Name of :.....

Address:.....

.....

.....

.....

**U.P. State Construction and Infrastructure Development
Corporation Ltd.
Bill of Quantity *after deducting 5%.***

Name of Work :- Construction of fire station Derapur at District Kanpur Dehat.

S.N.	Particulars	Amount (Rs.Lac)
	अनावासीय भवन	
1	मुख्य भवन (आंशिक)	116.09
2	वाह्य जलमल निस्तारण कार्य	2.11
3.	आन्तरिक जलमल निस्तारण कार्य	2.91
	वाह्य स्थल विकास कार्य	
4	ट्यूबवेल, बोरिंग, पाइप लाइन एवं पम्प हाउस का कार्य	
5	जल वितरण प्रणाली एवं एल0टी0 लाइन का कार्य	9.00
6	हौज पाइप लाइन	
7	ओवर हेड वाटर टैंक	35.44
8	इण्डिया मार्का-2 हैंड पम्प	0.54
9	पुलिया का निर्माण	3.01
10	रेन वाटर हार्वेस्टिंग	3.30
	योग	172.40

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J.E.

A.E.

E.E.

Rate offered by bidder (+) %
Above/below
In Word
In Figures

Rs..... Lacs

Net Amount
Rs.....

Signature of bidder


Abstract of Cost


(2)

Ground Floor

Name Of Work : Construction of Fire Station, Derapur Main Building Distt. Kanpur Dehat.

Sl. No.	D.S.R.	Particular	Qty.	Unit	Rate	Amount
1	N/R	Clearing of site With cutting of grass, vegetation & plants i/c all labor T&P complete.	2000.00	Sqm	5.00	10000.00
2	N/R	Providing Lay out of building including making center line & pillar. i/c all labor T&P complete.	596.00	Sqm	7.50	4470.00
3	DSR/20.3.1	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 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 solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) 300 mm dia	706.50	Rmt	2123.15	1500005.48
4		Extra over item No. 23.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).				
	20.4.1	300mm dia piles	85.00	Nos.	1474.95	125370.75
5	283+diff	R.C.C. work with cement approved coarse sand and 2 Cm. Gauge approved stone ballast in the proportion 1:1½:3 (1 Cement : C/sand: S/grit in Pile cap, Pedestal column, grade Beam, Plinth Beam excluding supply of reinforcement and its bending but excluding its fixing and binding the same with 24 B WG binding wire and including necessary centering and shuttering etc. and also including supply of all material labour and T&P etc. required for proper completion of the work binding wire cost being including in the item (6700+249.00)	68.15	cum	6949.00	473574.35
6	Pwd 281	Providing and laying in cement concrete 1:4:8 (1 Cement : 4 Coarse Sand : 8 graded stone aggregate 40 mm nominal size) and curing complete, including cost of form work in foundation and floors.	7.03	cum	4600.00	32338.00
7	303+diff	Class 150 brick work in 1:6 cement and Course sand mortar in foundation and plinth including supply of all material, labor and T&P etc. (4630+108)	28.97	cum	4738.00	137259.86
8	17.59(III)	15 mm thick plaster 1:4 c:c/sand Mortor i/c All Material Labour T&P Complete on Plinth.Out Said (130+20)	59.01	sqm	150.00	8851.50
9		R.C.C. work with cement approved coarse sand and 2 Cm. Gauge approved stone ballast in the proportion 1:1½:3 (1 Cement : C/sand: S/grit excluding supply of reinforcement and its bending but excluding its fixing and binding the same with 24 B WG binding wire and including necessary centering and shuttering etc. and also including supply of all material labour and T&P etc. required for proper completion of the work binding wire cost being including in the item				
	285+Diff.	L/L Bend (6700+249)	8.29	cum	6949.00	57607.21
	285+Diff.	Projection/Loft --do---	1.74	cum	6949.00	12091.26
	284.1	Slab	91.16	cum	7100.00	647236.00
	289	Coloum	17.53	cum	7900.00	138487.00
	288+diff	Beams (7200+249)	42.22	cum	7449.00	314496.78


Executive Engineer
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 Development Corporation Ltd.
 Kanpur


 यू०पी० स्टेट कंस्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
 डेवलपमेंट कारपोरेशन लि०

	P.w.d 504	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the workl and including supply of steel its watages bends hooks and authorized overlapping shall be measured upto floor two level.	32930.70	k.g	68.00	2239287.60
12	303+310+ diff	Class 150 brick work in 1:6 cement and Course sand mortar in Super Structure i/c supply of all material, labor and T&P etc. (4630+190+108)	167.65	Cum	4928.00	826179.20
13	DSR 10.11.1	Mild steel or iron work of small size such as Z-Section ,wrought to required shape as necessary for bending etc. including supply of steel and its wastage including cost of bolts, nuts if required, welding, grinding and making holes as required for completion of work	1277.50	Kg.	114.15	145826.63
14	PCR	S/Fixing aluminium Door Shuter i/c all labour material, T&P etc. complete	9.18	Sqm	5775.00	53014.50
15	502	Supply of Angle Iron Chaukhet i/c all labour material, T&P etc. complete	433.00	k.g	68.00	29444.00
16	N.R.	Fixing of Angle Iron Chaukhet i/c all labour material, T&P etc. complete	16.00	Nos.	135.00	2160.00
17	Pwd 14.67	20 mm thick bearing plaster 1:3 c:c/sand Mortor i/c all labour material, T&P etc. complete	51.18	Sqm	170.00	8700.60
18	Ch-8 (1)	Antitermite Treatment in all Stages as per P.W.D. Specification i/c All Material Labour T&P Complete in Plinth Area.	596.00	Sqm	100.00	59600.00
19	Anal.	S/Filing of Earth i/c all labour material, T&P etc. complete.	511.41	Cum	569.00	290992.29
20	Anal.	S/Filing of Sand i/c all labour material, T&P etc. complete.	84.37	Cum	1675.00	141319.75
21	Pwd 281	Providing and laying in cement concrete 1:4:8 (1 Cement : 4 Coarse Sand : 8 graded Stone aggregate 40 mm nominal size) and curing complete, including cost of form work in foundation and floors.	72.88	Cum	4600.00	335248.00
22	279 a	Providing and laying in cement concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 graded stone aggregate 20 mm nominal size) and curing complete, including cost of form work in foundation and floors.	26.28	Cum	6200.00	162936.00
23	D.S.R 11.4	52 mm thick Ironite flooring in 1:2:4 cement, coarse sand s/g mortar including all labour material, T&P etc.	262.82	Sqm	535.25	140674.41
24	17.58+17. 91	6 to 10 mm thick Plaster in Ceiling 1:3 c:c/s Mortor i/c all labour material, T&P etc. complete (138+12.50)	794.36	Sqm	150.50	119551.18
25		12/15 mm thick plaster in 1:6 Cement:Course Sand mortar including all material, labor, T&P etc.				
	17.58(III)	(105.00+20.00) 12mm plaster	512.72	Sqm	125.00	64090.00
	17.58(III)	(130.00+20.00) 15mm plaster	1174.13	Sqm	150.00	176119.50
26	17.63	20 mm thick dado 1:3 cement coarse sand mortar i/c all labour material, T&P etc. complete	9.14	Sqm	170.00	1553.80
27	Ch-14 P.w.d -23	S/Fixing vetrified Tile Over 20 mm thick 1:4 c:c/sand i/c all labour material, T&P etc. complete	119.57	Sqm	1750.00	209247.50

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डेवलपमेन्ट कॉर्पोरेशन लि०
कानपुर अण्डल कानपुर

28	Ch-14 P.w.d -23	Providing and laying verified tiles Dado Skirting floor in different sizes by the manufacturer with water absorption less than 0.08% and conforming to IS:15622 of approved make in all coloured shades, laid on 20mm thick cement mortar 1:3 (1 Cement : 3 Coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	16.10	Sqm	1750.00	28175.00
29	628	Supply & Fixing 6 mm thick Anti Skipped Floor tiles of 300X300 mm in dado laid with 20 mm thick 1:4 cement and coarse sand mortar finishing with white cement slurry jointing and polishing complete with supply of all material	21.26	Sqm	1450.00	30827.00
30	Ch 14	20 mm thick Kota stone flooring with 20 mm thick base 1:4 cement coarse sand mortar i/c all labour material, T&P etc. complete	114.21	Sqm	900.00	102789.00
30(A)	665	40 mm thick PCC Flooring with neat finish 1:2:4 c:c/s/g Mortar i/c all labour material, T&P etc. complete	88.82	Sqm	320.00	28422.40
31	Ch 14	20 mm thick Kota stone On dado/Skirting over with 20 mm thick 1:4 cement coarse sand mortar i/c all labour material, T&P etc. complete	21.71	Sqm	900.00	19539.00
32	P.w.d 628(B)	Supply & Fixing 6 mm thick glazed tiles in wall skirting or dado laid with 20 mm thick 1:4 cement and coarse sand mortar finishing with white cement slurry jointing and polishing complete with supply of all material	91.31	Sqm	1450.00	132399.50
33	303+310+ Diff	230 mm thick B/work 1:6 c:c/sand in s/s i/c all labour material, T&P etc. complete	8.83	Cum	4928.00	43514.24
34	305+310+ 310A	115 mm thick B/Work 1:4 c:c/sand Mortar i/c all labour material, T&P etc. complete (4930+190+95)	1.64	Cum	5215.00	8552.60
35	Pwd 281	Providing and laying in cement concrete 1:4:8 (1 Cement : 4 Coarse Sand : 8 graded Stone aggregate 40 mm nominal size) and curing complete, including cost of form work in foundation and floors.	10.99	Cum	4600.00	50554.00
36	279 a	Providing and laying in cement concrete 1:2:4 (1 Cement : 2 Coarse Sand : 4 graded brick aggregate 20 mm nominal size) and curing complete, including cost of form work in foundation and floors.	2.93	Cum	6200.00	18166.00
37	P.w.d 14.69	25 mm thick PCC Flooring 1:2:4 c:c/s:s/g Mortar i/c all labour material, T&P etc. complete	136.39	Sqm	235.00	32051.65
38	P.w.d 502	S/O Angle Iron Nosing i/c all labour material, T&P etc. complete	114.40	k.g	68.00	7779.20
39	N/R	Fixing of Angle Iron Nosing i/c all labour material, T&P etc. complete	29.00	No.	60.00	1740.00
40	DSR 9.21.2	Supply & Fixing of 30mm thick I.S.I. Flush Door Shutter non decorative type, core of board construction with frame of 1st class hard wood & both side commercial 3mm play veneering with vertical grain or cross bond I.E.	31.92	cum	1735.35	55392.37
41		Providing and fixing aluminium sliding door bolts, ISI marked with nuts and screws etc. complete :				
	9.96.1	300x16mm	12.00	Nos.	229.65	2755.80
	9.96.2	250x16mm	4.00	Nos.	189.00	756.00
42	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised with necessary screws etc. complete : 125 mm	36.00	Nos.	69.80	2512.80
43		Providing and fixing aluminium tower bolts, ISI marked, with necessary screws etc. complete .				

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उ.प्र. क्षेत्रीय प्रबन्धक
यू.पी.0 स्टेट कंस्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कारपोरेशन लि०
कानपुर मण्डल कानपुर

	9.97.3	200x10 mm	32.00	Nos.	79.25	2536.00
44	9.101.2	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. 125mm	36.00	Nos.	83.95	3022.20
45	M/R	Providing and fixing PVC Silencer 50 mm	36.00	Nos.	20.00	720.00
46	Anal.	Providing and fixing aluminium sheet on door shutter i/c Material T&P Complete.	4.80	Sqm	451.00	2164.80
47	D.S.R. - 10.28	S/fixing Stainless Steel Railing i/c all labour material, T&P etc. complete 7.8 sqm @ 15	117.00	k.g	619.40	72469.80
48	P.w.d 279	PCC 1:2:4 c:c/s/g mortar i/c all labour material, T&P etc. complete	1.78	Cum	5800.00	10324.00
49	DSR 14.5.1	S/F of 4mm Thick glass Pan in window including all materials putty & labour, T&P etc.	36.50	Sqm	690.70	25210.55
50	DSR.- 22.7.1	100 mm thick Brick Coba Treatment on Roof i/c all labour material, T&P etc. complete (Roof & Sunken Portion)	361.19	Sqm	1019.05	368070.67
51		S/Fixing of PVC Rain Water Pipe 110 mm i/c all labour material, T&P etc. complete	61.50	Rmt.	320.00	19680.00
		Bend 110 mm (DSR-12.42.5.2)	22.00	No.	160.25	3525.50
52	Pwd material.	S/Fixing Glass Strip of size 32x5 mm i/c all labour material, T&P etc. complete.	1596.84	Rmt	20.00	31936.80
53	13.80+13.46	Two coat Premium Acrylic Smooth Exterior Paint with silicon Additive over one coat primer & putty i/c all labour material. T&P etc. complete	512.72	Sqm	179.65	92110.15
54	13.80+13.41.1	Two coat putty & two coat oil bound distemper with one coat priming i/c all labour material, T&P etc. complete. (89.65+89.70)	1968.49	Sqm	179.35	353048.68
55	641+642	One coat Synthic Enamel Paint Over Base Primer i/c all labour material, T&P etc. complete	390.61	Sqm	87.00	33983.07
56		In Ward Robe	5.03	Sqm	87.00	437.61
57	P.w.d 518	S/Fixing of collapsible Gate shutter i/c all labour material, T&P etc. complete	9.18	Sqm	4000.00	36720.00
58	Pwd 598	Groove Cutting in Plaster i/c all labour material, T&P etc. complete	1523.28	Rmt.	20.00	30465.60
59	M/R	Making of drip course in 1:2 cement coarse sand mortar i/c all labour material, T&P etc. complete	62.86	Rmt.	28.00	1760.08
60	9.130.1	S/Fixing of 25 mm thick Wardrobe Shutter i/c all labour material, T&P etc. complete	5.03	Sqm	1409.05	7087.52
61	284.1	R.C.C. 40 mm thick RCC Self with 1:1½:3 c:c/sand/S/g i/c Material Labour T&P Complete.	0.15	Cum	7100.00	1065.00
62	502	S/Fixing og M.S. Grill as per Specification i/c Material Labour T&P Complete. (68+14.5%)	272.00	k.g	68.00	18496.00
					Total	10148493.73
				Say Rs.	101.48	Lacs

Executive Engineer
State Construction & Infrastructure
Development Corporation Ltd.
Lucknow

श्री ० क्षेत्रीय प्रबंधक
श्री ० पी ० स्टेट कॉन्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेंट कॉर्पोरेशन लि०
कानपुर मण्डल कानपुर

Abstract of Cost(Ist Phase)

F. Floor

Name Of Work :Construction of Fire Station, Derapur Main Building Distt. Kanpur Dehat.

Sl	D.S.R.	Particular	Qty.	Unit	Rate	Amount
1	305+310+310A	115 mm thick B/Work 1:4 c:c/sand Mortor i/c all labour material, T&P etc. complete (4930+190+95)	8.78	Cum	5215.00	45787.70
2	Analysis	Ornamentan RCC Work 1:1½:3 c:c/sand:s/g i/c cost all labour material, T&P etc. complete	103.94	Rmt.	1014.00	105395.16
3	303+310+Diff	230 mm thick B/work 1:6 c:c/sand i/c all labour material, T&P etc. complete	77.02	Cum	4928.00	379554.56
4	305+310+310A	115 mm thick B/Work 1:4 c:c/sand Mortor i/c all labour material, T&P etc. complete	3.60	Cum	5215.00	18774.00
5	502	Supply of Angle Iron Chaulhat i/c all labour material, T&P etc. complete.	321.00	k.g	68.00	21828.00
6	N/R	Fixing of Angle Iron Chaulhat i/c all labour T&P etc. complete	14.00	Nos.	135.00	1890.00
7	10.11.1	Mild steel or iron work of small size such as Z-Section ,wrought to required shape as necessary for bending etc. including supply of steel and its wastage including cost of bolts, nuts if required, welding, grinding and making as required for completion of work	1397.20	k.g	114.15	159490.38
8	N/R	Fixing of Z-Section Window, Vanrilator i/c all labour T&P etc. complete	20.00	Nos.	135.00	2700.00
9	P.w.d 14.67	20 mm thick bearing plaster 1:3 c:c/sand Mortor i/c all labour material, T&P etc. complete	32.97	Sqm	170.00	5604.90
10	283+Diff.	R.C.C. work with cement approved coarse sand and 2 Cm. Gauge approved stone ballast in the proportion 1:1½:3 (1 Cement : C/sand: S/grit excluding supply of reinforcement and its bending but excluding its fixing and binding the same with 24 B WG binding wire and including necessary centering and shuttering etc. and also including supply of all material labour and T&P etc. required for proper completion of the work binding wire cost being including in the item				
		L/L Bend	6.61	Cum	6949.00	45932.89
		Beams	7.88	Cum	7449.00	58698.12
		Slab	34.58	Cum	7100.00	245518.00
		Projection	3.79	Cum	6949.00	26336.71
		Coloum	4.70	Cum	7900.00	37130.00
		Kitchen Self	1.07	Cum	7100.00	7597.00
11	P.w.d 504	Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the workl and including supply of steel its watages bends hooks and authorized overlapping shall be measured upto floor two level.	5506.00	k.g	68.00	374408.00
12	17.58+17.91	6 to 10 mm thick Plaster 1:3 c:c/s Mortor i/c all labour material, T&P etc. complete	261.63	Sqm	150.50	39375.32
13	17.58+17.59	12/15 mm thick plaster in 1:6 Cement:Course Sand mortar including all material, labor, T&P etc.				
		12mm plaster	399.35	Sqm	125.00	49918.75
		15mm plaster	674.4	Sqm	150.00	101160.00

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प्रमुख कार्यकारी प्रबंधक
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 कानपुर बंगला कानपुर

	P.w.d 502	S/O Angle Iron Nosing i/c all labour material, T&P etc. complete	85.80	k.g	68.00	5834.40
15	N/R	Fixing of Angle Iron Noseing i/c all labour material, T&P etc. complete	22.00	No.	60.00	1320.00
16	12.42..2	S/Fixing of PVC Rain Water Pipe 110 mm i/c all labour material, T&P etc. complete	45.90	Rmt.	320.00	14688.00
		Bend 110 mm (DSR-12.42.5.2)	12.00	No.	160.25	1923.00
17	P.w.d 598	Groove Cuting in Plaster i/c all labour material, T&P etc. complete	963.30	Rmt.	20.00	19266.00
18	M/R	Making of drip course in 1:2 cement coarse sand mortar i/c all labour material, T&P etc. complete	48.42	Rmt.	28.00	1355.76
19	DSR.- 22.7.1	100 mm thick Brick Coba Treatment on Roof i/c all labour material, T&P etc. complete (Roof & Sunken Portion)	274.22	Sqm	1019.05	279443.89
					Total	2050930.54
					Add 1% per Floor	20509.31
					Total	2071439.84
					Say Rs.	20.71 Lacs
					G.F+F.F	122.20 Lacs
					Less 5%	6.11
					G.Total	122.20-6.11
						116.09

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क्षेत्रीय प्रबंधक
यूपी० स्टेट कॉन्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेंट कारपोरेशन लि०
कानपुर मण्डल कानपुर

(8)

Name of the work:- External Sewerage Work in Fire Station Derapur, KanpurDehat

S.No.	D.S.R / PWD	Particulars	Qty.	Unit	Rate	Amount
1		Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m				
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia metre	60.50	Rmt	208.30	12602.15
2		Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
	19.2.1	100 mm diameter S.W. pipe	60.50	Rmt	592.60	35852.3
3		Providing, laying and jointing glazed stoneware pipes class SP-I with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
	19.1.1	100 mm diameter	60.50	Rmt	206.55	12496.275
4		Making of Main Hole Chamber 600x600mm. Size and 750 mm depth i/c , E/W, B/W, P.C.C., Plaster, R.C.C. Cover etc Complete.	9.00	Nos.	4057.00	36513
5	Anal	Costruction of Septic Tank For 50 Users	1.00	Nos.	79593.24	79593.24
6	Anal	Costruction of Soak Pit For 50 Users	1.00	Nos.	45544.00	45544
						222600.97
				Say Rs.	2.23	Lac
				Less 5%	0.11	Lac
		N.Total	2.23-0.11 = 2.11		2.11	Lac

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यू.पी. क्षेत्रीय प्रबंधक
यू.पी.0 स्टेट कांस्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कारपोरेशन लि.0
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ABSTRACT OF COST (Main Building)

(9)

Name Of Work : Construction of Fire Station, Derapur Main Building Distt. Kanpur Dehat.

S.N.	Description	D.S.R.(14)	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
SANITARY FIXTURES & ACCESSORIES : I						
1	Providing & fixing white vitreous china water closet squatting pan ISI marked (Indian type W.C. pan) with 100mm sand cast iron P or S trap, 10/12.5 litres PVC low level flushing cistern with fittings & brackets 40mm dia C.P. flush pipe with fitting & clamps, 20mm over flow pipe with specials and mosquito proof coupling of approved municipal design, painting wherever required including cutting & making good the walls & floors where required					
a)	Orissa Pattern W.C. pan of size 580x 440mm with integral type foot rests flush pipe and over flow arrangement.	17.1.1	6.00	Nos.	3392.80	20356.80
2	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :					
a)	E.W.C. pan with ISI marked white solid plastic seat and lid	17.3.1	1.00	Nos.	4784.60	4784.60
b)	Jet Hand Shower Wash Parry	PCR	1.00	Nos.	348.00	348.00
3	Providing & fixing white vitreous china wash basin with C.I. brackets painted white, 15mm C.P. brass pillar taps, C.P. brass chain with rubber plug, 32mm C.P. brass waste of standard pattern including cutting & making good the walls wherever required.					
a)	Flat back wash Basin size 550x400 mm with single 15mm C.P. brass pillar tap.	17.7.4	7.00	Nos.	1807.10	12649.70
4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required					
a)	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	17.4.1	5.00	Nos.	3326.10	16630.50
5	Providing and fixing flexible P.V.C. waste pipe for sink or wash basin including PVC waste fittings complete.					
a)	32 mm dia	17.28.2.1	7.00	Nos.	74.45	521.15
b)	40mm dia	17.28.2.2	1.00	Nos.	76.75	76.75

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6	Providing and fixing kitchen sink with C.P. brackets, C.P. brass chain with rubber plug, 40mm C.P. brass waste complete, including painting the fitting and brackets, cutting and making good the walls wherever required:					
a)	Steel sink of size 510X1040X200 mm depth	17.10.1.3	1.00	No.	5966.15	5966.15
7	Providing & fixing PTMT towel rail complete with brackets fixed to wooden cleats with cp brass screws with concealed fitting arrangement of approved quality and colour. 600 mm. long towel rail length of 645 mm. width 78 mm. and effective	17.73.2	7.00	Each	541.50	3790.50
8	Providing and fixing PTMT Liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same material with snap fittings of approved quality and colour weighing not less than 105 gms	17.71	7.00	Each	228.85	1601.95
9	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing					
a)	Rectangular shape 1500x450 mm	17.32.4	7.00	Each	1332.45	9327.15

SOIL WASTE & VENT PIPES AND FITTINGS - II

1	supply and fixing of p.v.c pipe complete i/c cost of					
a)	100mm dia PVC Pipe	S.O.R	80.00	Rm.	320.00	25600.00
b)	75mm dia PVC Pipe	S.O.R	90.00	Rm.	200.00	18000.00
2	Providing & Fixing of PVC Plain band Pipe 100	N.s	10.00	Nos.	241.47	2414.70
3	Providing & Fixing of PVC Plain band Pipe 75 mm	N.s	10.00	Nos.	98.14	981.40
4	Providing & Fixing of PVC socket 100 mm	N.s	8.00	Nos.	137.93	1103.44
5	Providing & Fixing of PVC socket 75 mm	N.s	7.00	Nos.	51.28	358.96
6	Providing & Fixing of PVC Cowel 100 mm	N.s	4.00	Nos.	350.00	1400.00
7	Providing & Fixing of PVC N-Trap 100x75	N.s	15.00	Nos.	270.78	4061.70
8	Providing & Fixing of PVC Door Tee 100 mm	N.s	10.00	Nos.	442.53	4425.30
9	Providing & Fixing of PVC Door Tee 75 mm	N.s	10.00	Nos.	442.53	4425.30
10	Providing & Fixing of PVC Plain Tee 100 mm	N.s	5.00	Nos.	442.53	2212.65
11	Rubber Ring 100 mm	N.s	60.00	Nos.	8.00	480.00
12	Rubber Ring 75 mm	N.s	80.00	Nos.	6.00	480.00

WATER SUPPLY PIPES AND FITTINGS - III

1	Providing and fixing C.P. brass Short Body bib cock of approved quality conforming to IS:8931 :					
a)	15 mm nominal bore	18.49.1	8.00	Nos.	459.50	3676.00
2	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms					
a)	15 mm nominal bore	18.51.1	7.00	Nos.	610.65	4274.55
3	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore					
a)	15 mm nominal bore	18.53.1	16.00	Nos.	507.70	8123.20

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4	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
a)	25 mm nominal bore	18.18.3	2.00	Nos	449.95	899.90
5	C.P. brass Flench	N.s	20.00	Nos	44.99	899.80
6	C.P. brass Extension	N.s	7.00	Nos	90.00	630.00
7	Soot	M.R	100.00	Goie	2.00	200.00
8	Safeda	M.R	2.00	Pack	60.00	120.00
9	Solvent	M.R	2.00	Ltr	594.71	1189.42
10	C.P Brass Wastes Jali for Sink & Wash Basin 100 mm	S.O.R	8.00	Nos.	150.00	1200.00
11	Providing and fixing 45 cm long unplasticised PVC connection pipe with brass unions.					
a)	a) 15mm nominal bore	18.21.2.1	16.00	Nos.	68.60	1097.60
12	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps,i/c making good the walls etc. concealed pipe, including paintingwith anti corrosive bitumastic paint, cutting and making good the Wall.					
a)	15mm dia nominal bore	18.11.1	102.00	Rm.	306.05	31217.10
b)	20mm dia nominal bore	18.11.2	90.00	Rm.	333.85	30046.50
13	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.					
a)	25 mm dia nominal bore	18.10.3	70.00	Rm.	304.15	21290.50
14	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality					
a)	25 mm dia nominal bore	18.40.3	70.00	Rm.	8.75	612.50
15	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	18.78	215.00	Rm.	85.70	18425.50
16	Providing and fixing gun metal non- return valve of approved quality(screwed end) :					
a)	25 mm nominal bore	18.17.1	4.00	Nos	428.85	1715.40
17	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and ove rflow pipes but without fittings and the base support for tank.	18.48	2000.00	Ltr	7.25	14500.00
18	Making platform		2.00	Job	2000.00	4000.00
19	Construction of P-Trap/N-Trap Chamber 1:2:4 c:c/s:s/g Mortor i/c all labour material, T&P etc. complete P-Trap 5x0.45x0.45x0.30 =0.30 N-Trap 12x0.30x0.30x0.30 =0.32		0.62	cum	6900.00	4278.00
20	Haunding of PVC Pipe 100 mm/75 mm with 1:2:4 c:c/s:s/g Mortor i/c all labour material, T&P etc. complete. 35x0.30x0.25x = 2.62 cum $\pi/4 \times (0.11)^2 \times 35 = (-) 0.33 \text{ cum}$		2.29	cum	6900.00	15801.00
					Total	306193.67
				Say	3.06	Lacs
					0.15	Lacs
					2.91	Lacs

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ABSTRACT OF COST

Name of work: Pump House at Fire Station Derapur Kanpur Dehat.

Pump House (3.x2.40M)						
Sl. No.	Item of work	Qty.	Unit	Rate	Amount (Rs.)	
1	DSR - 20.3 Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 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 solution and the length of the	36.00	Cum	2123.15	76433.40	
2	PWD 281 Providing and laying Cement concrete 1:4:8 (1 cement :4 Course sand : 8 graded Stone aggregate 40 mm. Nominal size) including supply of all materials. Labour and T&P etc.required for proper completion of the work and curing complete, also including cost of formwork in foundation and floors.	0.22	Cum	4600.00	993.60	
3	PWD 283 / Anals R.C.C. work with cement approved coarse sand and 20 mm gauge approved stone grit in the proportion of 1:1.5:3 in lighter beams excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour and t & P etc. required for proper completion of the work. Binding wire cost being included in the item	1.77	Cum	6949.00	12329.89	
4	PWD 303 Class-150 brick work in 1 : 6 cement and Course sand mortar in foundation and plinth including supply of all materials, labour and T & P etc. required for proper completion of the work.	0.81	Cum	4738.00	3831.53	
5	PWD 303+309+310 Class-150 brick work in 1 : 6 cement and Course sand mortar in Super starchier and plinth including supply of all materials, labour and T & P etc. required for proper completion of the work.	7.05	Cum	4928.00	34749.00	
6	PWD 289+284 R.C.C. work with cement approved coarse sand and 20 mm gauge approved stone grit in the proportion of 1:1.5:3 in for slab excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of all materials, labour and t & P etc. required for proper completion of the work. Binding wire cost being included in the item	1.34	Cum	7100.00	9542.06	
7	PWD 504 Mild steel or iron in plain work such as reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the workl and including supply of steel its watages bends hooks and authorized overlapping shall be measured upto floor two level.	242.09	kg	68.00	16462.14	
8	PWD 503 Mild steel or iron work of heavy sizes such as trusses,builtup gates,door frames, etc. wrought to required shape as necessary for bending etc. including supply of steel and its wastage including cost of bolts, nuts if required, welding, grinding and making holes as required for completion of work	64.05	Qtls	78.54	5030.49	

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9		Provide 20mm thk. plaster 1:3 coarse sand and cement over RCC roof including cleaning and washing the dust of any other foreign matter including supply of all materials, labour, T&P etc. required for proper completion of the work.	9.90	Sqm	170.00	1682.25
10	PWD	12/15mm. Thick plaster with cement and fine sand of 1.25 F.M.mortar in 1 : 6 proportion	84.02	Sqm	137.50	11553.30
11	PWD 665	40 mm. Thick 1: 2: 4 plain cement concrete flooring i/c all labour complete.	16.39	Sqm	320.00	5244.80
12	PWD 597	20mm thk. Plain skirting with 1:3 finished with a floating coat of neat cement	15.06	Sqm	170.00	2560.20
13	9.21.2	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters (a)30mm thk. including ISI marked stainless steel but hinges with necessary screws.	1.89	Sqm.	1735.35	3279.81
14	641+642	Painting two coat over priming coat (but excluding cost of priming coat) on steel and other metal surfaces upto 10cm width or girth or small articles not exceeding 0.10 Sq.M in area white superior synthetic enamel such as Luxol 3, Higloss apcolite superlac, Deluxe specified brushing to give an even shade and including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping including cost of all materials labour tools and plants etc. required for proper completion of the work.	6.41	Sqm.	87.00	557.89
15	NBO 18.13	White washing with lime on surfaces (Three coat) to give and even shade including supply of all materials, labour and T&P etc.required for proper completion of the work.	38.52	Sqm	11.50	442.98
16	PWD (660+661)	Finishing walls with water proofing cement paint of approved make such as supper snowcem, durocem, robiacem, guttucem suppercem quality and of required shade on undecorated wall surfaces (one coat) over and including one coat white cement primer to give an even shade after thoroughly brushing the surface to powdered materials including curing and cost of all materials.	45.50	Sqm.	179.65	8174.79
17	Anal	Earth filling under floor including watering, ramming, consolidating and dressing complete including lead upto 50m. And lift upto 1.5m including cost of sand.	4.32	Sqm.	569.00	2458.08
18	17.67	20 mm plaster 1:3 (1 cement ,3 coarse sand	9.73	Sqm.	170.00	1653.69
19	9.62.2	Providing and fixing of oxidized sliding door bolt.	1.00	nos	166.20	166.20
20	9.66.2	Providing and fixing of oxidized door handle	2.00	nos	28.90	57.80
21	9.63.1	Providing and fixing of oxidized tower bolt	1.00	nos	66.95	66.95
22	9.101.2	Providing and fixing of oxidized door stopper.	1.00	nos	83.95	83.95
23		Providing and fixing of P.V.C. door silencer.	1.00	nos	20.00	20.00
					Total-	197374.80
			Say	1.97	lacs	
			Less 5%	0.10	lacs	
			N.Total	1.87	lacs	

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Abstract of cost

**Name of the work:- Installation of 5 HP Boring i/c Sub.Pump at Fire Station,
Derapur Kanpur Dehat.**


S.No.	Description	Qty.	Unit	Rate	Amount
1	Shifting Charges of Rig Machine	1.00	Job	20000.00	20000.00
2	Digging of Pit	2.00	Job	10000.00	20000.00
3	Drilling Charges 350 mm dia (0 - 110 mt.)	110.00	mt.	900.00	99000.00
4	Reamaing by 450 mm dia (0 - 60 mt.)	60.00	mt.	300.00	18000.00
5	Electric Well Logging	1.00	Job	20000.00	20000.00
6	Lowering Charges	99.00	mt.	100.00	9900.00
7	Dismantling of Unit	1.00	Job	5000.00	5000.00
8	Filling og Pit	1.00	Job	5000.00	5000.00
9	Shifting Charges of Compressor	1.00	Job	10000.00	10000.00
10	Compressor Running Charges	48.00		3000.00	144000.00
	Material				
11	Ventonite Powder	45.00		300.00	13500.00
12	Peagravel	29.00	cum	3500.00	101500.00
13	Tubwell Support	1.00	No.	15000.00	15000.00
14	150 mm Iron Coplete	1.00	No.	1000.00	1000.00
15	3 Phase 5 HP Sub.Pump	1.00	No.	27000.00	27000.00
16	4 mm Flat Cable	70.00	mt.	150.00	10500.00
17	65 mm M.S. Coloum pipe both side flange Welded Each of Length 3.00 mtr.	33.00	mt.	3000.00	99000.00
18	Control Pannel	1.00	No.	15000.00	15000.00
19	65 mm Iron Clamp	1.00	No.	500.00	500.00
20	65 mm C.I Bend	1.00	No.	1300.00	1300.00
21	65 mm Mnon Return Valve C.I.	1.00	No.	3000.00	3000.00
22	65 mm C.I. Tee	1.00	No.	2500.00	2500.00
23	65 mm Sluice Valve	2.00	No.	3500.00	7000.00
24	150 mm plain casing pipe jain make	66.00	mt.	1150.00	75900.00
25	100 mm Ribbed Screen Pipe Jain Make	33.00	mt.	735.00	24255.00
26	150x100 mm PVC Reducer	1.00	No.	1000.00	1000.00
27	150 mm PVC Top Cap.	1.00	No.	400.00	400.00
28	100 mm PVC End Cap.	1.00	No.	300.00	300.00
				Total	749555.00
				Say Rs.	7.5 Lacs
	Less 5%			0.38	Lacs
				N.Total	7.13 Lacs



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**Name of Work:- Construction of overhead Tank at Fire station Kanpur Dehat
(200 KL at 16.50 mt Staging)**

Sl.No.	Item of Work	Quantity	Unit	Rate	Amount
1	Supply of Cement (Pwd material)	857.67	Bag	290.00	248724.30
2	Supply of Coarse Sand (R.M.R)	35.69	cum	1574.50	56193.91
3	Supply of Stone Grit 20 mm (R.M.R)	65.37	cum	2514.50	164372.87
4	Supply of 40 mm Stone Ballast (R.M.R)	5.02	cum	2039.50	10238.29
5	Supply of Steel bar in Reinforcement (pwd 504)	13066.01	kg	46.50	607569.47
6	Stair Ladder (68+15.50%)	1140.30	kg	78.54	89559.16
7	Supply of G.I Pipe 20 mm for Railing & Ladder DSR-18.10.1	172.00	Rmt	249.30	42879.60
8	Supply of C.I Pipe 100 mm DSR-18.27.1	102.90	Rmt	1075.25	110643.23
9	Supply of C.I Pipe 150 mm DSR-18.27.3	17.00	Rmt	1616.75	27484.75
10	Supply of C.I Flange 100 mm DSR-18.30.2	72.00	Nos.	195.70	14090.40
11	Supply of C.I Flange 100 mm DSR-18.30.4	12.00	Nos.	234.55	2814.60
12	Supply of C.I. Sluice Value 150 mm DSR-3317	1.00	Nos	4300.00	4300.00
13	Supply of C.I. Sluice Value 100 mm DSR-3311	2.00	Nos	2910.00	5820.00
14	Supply of brick (Pwd material)	842.00	Nos	6.60	5557.20
15	Supply of Local Sand (Anal)	5.02	cum	1200.00	6024.00
16	Supply of Light Conductor (M.R)	1.00	No	10000.00	10000.00
17	Supply of Level Conductor (M.R)	1.00	No	6000.00	6000.00
18	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 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 solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) DSR-20.3.1	90.00	Rmt	2123.15	191083.50
19	Extra over item No. 23.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).	18.00	Nos.	1474.95	26549.10
20	Add Labour Chages (PCR)	200000.00	Lit.	10.50	2100000.00
				Total	3729904.36
			Say Rs.	37.30	Lac
	Less 5%			1.86	Lac
	N.Total			35.44	Lac


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
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Abstract of cost

**Name of the work:- Installation of India Marka II Hand Pump at Fire Stastion,
Derapur Kanpur Dehat.**

S.No.	Description	Qty.	Unit	Rate	Amount
1	150mm. dia boring by pressure machine i/c all Labour	60.00	Rmt.	160.00	9600.00
2	Lowering of P.V.C. Pipe 110 mm dia.	50.00	Rmt.	20.00	1000.00
3	Cartage of boring machine and all assecies	1.00	Job	2500.00	2500.00
4	Supply of 110 mm. dia P.V.C. Pipe	50.00	Rmt.	541.85	27092.50
5	Supply of white stiff	0.20	k.g	80.00	16.00
6	Supply of solution approved brand	1.00	k.g	280.00	280.00
7	Supply of 32 mm. dia G.I. pipe B-class	30.00	Rmt.	284.62	8538.60
8	Supply of 32 mm. dia G.I. socket	10.00	Each	48.00	480.00
9	Supply of connecting Rod.	10.00	Each	180.00	1800.00
10	Supply of Sylindr of Appropved Band	1.00	Each no.	1100.00	1100.00
11	Supply and Fixing of India marka II hand pump machine medium quality	1.00	Each no.	4500.00	4500.00
				TOTAL	56907.10
	Say Rs.			0.57	Lacs
	Less 5%			0.03	Lacs
	N.Total			0.54	Lacs


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Kanpur


पु. क्षेत्रीय प्रबन्धक
यू.पी.0 स्टेट कॉन्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कारपोरेशन लि०
कानपुर भण्डल कानपुर

Name of Work:-Construction of Culvert(1.50 mt span)at Derapur, Kanpur Dehat

Sl.No.	Item of Work	Quantity	Unit	Rate	Amount
1	Earth Work incaration in foundation in Oridinory Soil (PWD-252)				
	Abut ments- 2x13x.070x60 =10.92				
	Wing Walls- 4x1.20x0.70x60 =2.02				
	Bed - 1x13x1.50x0.60 =11.70	24.65	cum	100.00	2465.00
2	Lean Cement Concrete 1:4:8 c:c/s: & 40 mm Ston Ballast (PwD-281)				
	Abut ments- 2x13x.070x30 =5.46				
	Wing Walls- 4x1.20x0.70x30 =1.01				
	Bed - 1x13x1.50x0.20 =3.90	10.37	cum	4600.00	47702.00
3	Brick work 1:4 c:c/sand mortor (PWD -305)+310				
	Abut metar 2x13x0.575x0.30 =4.49				
	2x13x0.46x0.90 =10.76				
	4x1.20x0.575x0.30 =0.83				
	4x1.20x0.46x0.90 =1.99				
	Parapit 2x13x0.46x0.30 =3.59				
	2x13x0.35x0.50 =4.55				
	2x13x0.46x0.12 =1.91				
	= 28.12				
	Deduction Bearing of R.C.C. slab 2x13x0.30x0.20(-) 1.56	26.56	cum	5120.00	135987.20
4	R.C.C. work 1:1½:3 c:c/sand:s/g Slab 1x13x2.10x0.20=5.46 (pwd-284.1)	5.46	cum	7100	38766.00
5	M.S. Iran work in RCC (pwd-504)				
	26.56x78.50x1	664.30	kg	68.00	45172.40
6	Cement concret bearing coat 1:1½:4 c:c/sand:s/g Slab (pwd-284)				
	13x2.30x0.10=2.99				
	13x1.50x0.10=1.95	4.94	cum	6949.00	34328.06
7	Cement Pointing (1:3 c:sand Mortor) (PWD-17.11)				
	2x13x2.10=54.60				
	2x13x0.30=20.80				
	2x13x0.70=10.40				
	2x4x0.46x0.20=0.74				
	1x4x0.35x0.50=0.70	87.24	sqm	140.00	12213.60
				Total	316634.26
			Say	3.17	Lacs
	Less 5%			0.16	Lac
	N.Total			3.01	Lac

Executive Engineer
 P. State Construction & Infrastructure
 Development Corporation Ltd.
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ABSTRACT OF COST

Name of work: Rain Water Harvesting work in Fire Station Derapur Kanpur Dehat
(Rain water harvesting)

Sl. No.	S.I. No.	Item of work	Qty.	Unit	Rate	Amount (Rs.)
1	PWD 252	Earth work in Excavation in trenches for foundations pipes cable etc. in ordinary soil (Loan clay or sand) including lift upto 1.5 m. lead upto 50m and dressing of sides and rammings of bottom and disposal of surplus exdavated earth as directed by the Engineer I/C within a lead of 30m.	59.52	Cum	100.00	5952.00
2	PWD 281	Providing and laying Cement concrete 1:4:8 (1 cement : 4 fine sand : 8 graded Stone aggregate 40 mm. Nominal size) including supply of all materials. Labour and T&P etc.required for proper completion of the work and curing complete, also including cost	1.98	Cum	4600.00	9108.00
3	R.M.R	Providing & laying Coarse Sand	4.22	Cum	1634.50	6897.59
4	R.M.R	Providing & laying Pea gravel 5-10mm size	4.69	Cum	3560.00	16696.40
5	R.M.R	Providing & laying Stone grit 10-20mm size	4.22	Cum	2574.50	10864.39
6	PWD 303	Class-150 brick work in 1 : 6 cement and course sand mortar in foundation and plinth including supply of all materials, labour and T & P etc. required for proper completion of the work.	12.05	Cum	4738.00	57092.90
7	PWD 284.1	R.C.C. work IN Slab with cement approved coarse sand and 20 mm gauge approved stone grit in the proportion of 1:1.5:3 in Slab excluding supply of reinforcement and its binding but including its fixing and binding the same with 24 B.W.G.G.I. binding wire and including necessary centering and shuttering etc. and also including supply of materials labour tools and plants etc. required for proper completion of the work strength of the concrete shall not be less than M-150	2.16	Cum	7100.00	15336.00
8	PWD 504	Mild steel of iron in plain work shch as reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage bend hooks and authorized overlapping shall be measured up to floor two level.	169.56	Kg	68.00	11530.08

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9	Analysis	Mild steel or iron work of small size and sections such as holding down bolts, hold fast, tie rods, grating etc. (when not included in an overall rates) wrought to required shape as necessary for bending etc. including supply of steel and its wastage including cost of bolts, nuts if required, welding, grinding and making holes as required for completion of work but...	16.66	kg	68.00	1132.88
10	19.18.1	Providing & fixing CI Manhole cover of Size 455x610 mm	2.00	Nos.	1222.15	2444.30
11		Excavating trenches in all kind of soil of required width for pipes, cables etc. including excavation for sockets and dressing of sides, ramming of bottoms depth upto 1.5m including getting out the excavated soil & then returning the soil as required in layer not exceeding 20cm in depth including consolidating each deposited layer by ramming . watering , etc. & disposing of surplus excavated soil as directed within a lead of 50m				
	2.10.1.2	Pipes 80mm to 300mm dia.	169.45	Rmt	208.30	35296.44
12		Providing laying P.V.C pipe 110 mm including Labour Material T&p complete testing of joints etc. complete.				
	M.R	110 mm dia. Pipe	169.45	Rmt	320.00	54224.00
	M.R	110 mm dia. Bend	17.00	Nos.	260.00	4420.00
13	PWD	15mm thick cement plaster in 1:6 cement and Coarse sand.	102.48	Sqm	150.00	15372.00
14	19.28	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) with precast R.C.C. vertical grating complete as per standard design :With common burnt clay F.P.S. (non modular) bricks of	18.00	Nos.	4408.95	79361.10
15	M.R	150mm PVC casing pipe of ISI mark	15.00	Rmt	541.00	8115.00
16	M.R	Nylon mesh for filter	1.00	Roll	550.00	550.00
17	24.13.2	150mm End cap	2.00	Nos.	195.15	390.30
18	M.R	Drilling charges for 200mm dia borehole	15.00	Mt.	750.00	11250.00
19	M.R	Cartage of material upto site.	1.00	job	2000.00	2000.00
					Total	348033.38
				Say	3.48	Lacs
		Less 5%			0.18	Lac
		N.Total			3.30	Lac

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