

Name of work: Providing Water supply to Urapakkam Extension in Urapakkam Panchayat of Kattankolathur Union. Construction of 4.50m dia Open well a depth of 15.00m							
Item No.	Description of work	Probable quantity Figures		TNBP No. Other specification	Rates in		Amount in figures
					Figures	Words	
1	Earth work open well excavation, complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard stiff clay, stiff black cotton soil , hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders and hard gravely soil etc complete and as directed by the TWAD Board Officers.						
a	I st depth of 2m(0 - 2.0 m) below GL	157.14	cum	SS20B,23 & Spl Spn	80.19	Rupees Eighty - Paise Nineteen Only	12,601.06
b	II nd depth of 1m(2.0 - 3.0 m) below GL	78.57	cum	Spl Spn	160.38	Rupees One Hundred & Sixty - Paise Thirty Eight Only	12,601.06
2	Earth work Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in soft disintegrated rock, laterite, soft rock or kankar not requiring blasting for following depth etc complete and as directed by the TWAD Board Officers.						
a	II nd depth of 1m(3.0 - 4.0 m) below GL	38.50	cum	Spl Spn	247.06	Rupees Two Hundred & Fourty Seven - Paise Six Only	9,511.81
b	III nd depth of 1m(4.0 - 5.0 m) below GL	38.50	cum	Spl Spn	370.59	Rupees Three Hundred & Seventy - Paise Fifty Nine Only	14,267.72
3	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock not requiring blasting and stacking for following depth etc complete and as directed by the TWAD Board Officers.						
a	III nd depth of 1m(5.0 - 6.0 m) below GL	15.91	cum	Spl Spn	596.31	Rupees Five Hundred & Ninety Six - Paise Thirty One Only	9,487.29
b	IV th depth of 2m(6.00 to 8.00 m) below GL	31.82	cum	Spl Spn	795.08	Rupees Seven Hundred & Ninety Five - Paise Eight Only	25,299.45

4	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Medium rock and dense medium rock requiring blasting and stacking for following depth etc complete and as directed by the TWAD Board Officers.						
a	V th depth of 2m(8.00 to 10.00 m)below GL	31.82	cum	Spl Spn	1490.50	Rupees One Thousand Four Hundred & Ninety - Paise Fifty Only	47,427.71
b	VI th depth of 1m(10.00 to 11.00 m) below GL	15.91	cum	Spl Spn	1788.60	Rupees One Thousand Seven Hundred & Eighty Eight - Paise Sixty Only	28,456.63
5	Open well excavation complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metre in Hard granite measured in solid requiring blasting and stacking for following depth etc complete and as directed by the TWAD Board Officers.						
a	VI th depth of 1m(11.00 to 12.00 m) below GL	15.91	cum	Spl Spn	3498.00	Rupees Three Thousand Four Hundred & Ninety Eight Only	55,653.18
b	VII th depth of 2m(12.00 to 14.00 m) below GL	31.82	cum	Spl Spn	4664.00	Rupees Four Thousand Six Hundred & Sixty Four Only	1,48,408.48
c	VIII th depth of 1m(14.00 to 15.00 m) below GL	15.91	cum	Spl Spn	5830.00	Rupees Five Thousand Eight Hundred & Thirty Only	92,755.30
6	Plain Cement Concrete 1:4:8 (One Cement, Four Sand and Eight HBGS) using 40 mm size HBGS metal leveling course of 15 CM thick including cost of all materials, labour, mixing and placing the concrete in position, ramming curing finishing etc., complete and as directed by TWAD Board, Officers. From 4.50 m to 9.00 m depth below GL	1.57	cum	SS 30 & 44H & Spl Spn	4015.33	Rupees Four Thousand & Fifteen - Paise Thirty Three Only	6,304.07
7	Random rubble masonry in CM 1:5 (one cement and five sand) for steining wall of open well using rough stones and bond stones including cost of all materials, labour charges, curing etc., complete and as directed by TWAD Board officers.						
a	Open well steining wall above GL & upto 1.50 m below GL	20.91	cum	TNBP 30 & Spl Spn	4899.12	Rupees Four Thousand Eight Hundred & Ninety Nine - Paise Twelve Only	1,02,440.60

b	Open well steining wall depth below 1.50 m to 4.50 m from GL	21.19	cum	TNBP 30 & Spl Spn	4955.99	Rupees Four Thousand Nine Hundred & Fifty Five - Paise Ninety Nine Only	1,05,017.43
c	Open well steining wall depth below 4.50 m to 9.00 m from GL	0.39	cum	TNBP 30 & Spl Spn	5013.30	Rupees Five Thousand & Thirteen - Paise Thirty Only	1,955.19
g	Reinforced Cement Concrete using M 30 Design mix with required ordinary portland cement, sand and 20 mm and 10 mm Machine crushed HBG stone including the cost of all materials, labour charges, mixing by using mechanical mixer machine, placing in position, lifting, vibrating by using mechanical vibrator, finishing & curing but excluding the cost of reinforcement and fabricating, centering, shuttering and strutting charges etc., complete and as directed by TWAD Board officers .						
a	Ring beam at GL (0 to 1.50 m below GL)	4.05	cum	SS 28, 30 & Spl. Spn.	5464.14	Rupees Five Thousand Four Hundred & Sixty Four - Paise Fourteen Only	22,129.77
b	Ring beam at 1.50 m to 4.50 m below GL	2.35	cum	SS 28, 30 & Spl. Spn.	5548.84	Rupees Five Thousand Five Hundred & Fourty Eight - Paise Eighty Four Only	13,039.77
c	Ring beam at 4.50 m to 9.00 m below GL	2.35	cum	SS 28, 30 & Spl. Spn.	5634.09	Rupees Five Thousand Six Hundred & Thirty Four - Paise Nine Only	13,240.11
9	Provide steel Centering for sides and soffits of R.C.C slab & members including shuttering, strutting to the centering and providing supports etc. complete for the following members using MS sheets of size 90 cm x 60 cm and BG 10 G stiffened with welded MS angle of size 25 mm x 25 mm x 3 mm laid over silver oak (country wood) joists of size 10 cm x 6.5 cm (spaced at about 90 cm c/c) and casurina props of 10 cm to 13 cm dia (spaced at 75 cm c/c) for various heights etc., complete.(The centering should be removed after the specified striping time of the concrete as per IS 456/1978 etc., complete and as directed by TWAD Board officers.						
a	For plane surface up to 3.30m Height	17.78	Sqm	TNBP No.30, 34 and Spl. Spn.	709.06	Rupees Seven Hundred & Nine - Paise Six Only	12,607.09

b	For curved surface up to 3.30 m ht.	31.40	Sqm	TNBP No.30, 34 and Spl. Spn.	1063.59	Rupees One Thousand & Sixty Three - Paise Fifty Nine Only	33,396.73
10	Providing RCC Precast Slab 7.50 Cm tk. over RCC Roof Beams for covering the open well including steel fabrication, moulding charges and labour for casting, curing, plastering and finishing etc. complete and as directed by TWAD Board officers.	27.89	sqm	SS 30 & Spl. Spn.	1018.12	Rupees One Thousand & Eighteen - Paise Twelve Only	28,395.37
11	Supplying, Cutting, bending, tying, fabricating & placing in position of steel RTS rods for all RCC works including cost of steel and binding wire etc. The steel should confirm to the relevant IS specification and supplied with test certificate (Fe. 415 grade as per IS specification No. 1786 / 1985 and as amended from time to time) for delivery at site of work including loading, freight, unloading, stacking, transit insurance charges, taxes, etc. complete and as directed by TWAD Board officers .	8.11	Qtl	TNBP No.30 & Spl. Spn.	6722.85	Rupees Six Thousand Seven Hundred & Twenty Two - Paise Eighty Five Only	54,522.31
12	Bailing out water by using diesel pumpset of 7.5HP capacity including cost of hire charges, conveyance, crew and fuel charges etc complete and as directed TWAD Board officer.	100.00	hrs	Spl Spn	333.89	Rupees Three Hundred & Thirty Three - Paise Eighty Nine Only	33,389.00
13	Refilling the outside of the well with excavated earth (other than sand) complying with standard specification including watering consolidation etc., complete and as directed by TWAD Board officers.	167.18	cum	SS 24, 25 & Spl. Spn.	28.05	Rupees Twenty Eight - Paise Five Only	4,689.40
14	Pointing with Cement mortar 1:3 (flush pointing) for R.R.masonry including cost of all materials, labour charges, curing etc., complete and as directed by TWAD Board officers .	9.43	Sqm	Spl Spn	229.28	Rupees Two Hundred & Twenty Nine - Paise Twenty Eight Only	2,162.11
15	Providing Ventilating arrangement with 110 PVC Cowl with Mosquito net as per standard specification and as directed by TWAD Board officers.	2.00	Nos	SS 56 & 57	70.00	Rupees Seventy Only	140.00

16	White washing two coats using fine screened shell lime for the outer side of the well including the cost of materials labour charges etc., complete and as directed by TWAD Board officers.	28.29	Sqm	SS 63 and Spl. Spn.	24.88	Rupees Twenty Four - Paise Eighty Eight Only	703.86
17	Painting two coats with approved cement paint over one priming coat of white cement over cement plastered wall surfaces including cleaning,preparing the surface area and including cost of all materials, labour charges, curing etc., complete and as directed by TWAD Board officers .	28.29	Sqm	SS 56, 66 A and Spl. Spn.	149.02	Rupees One Hundred & Fourty Nine - Paise Two Only	4,215.78
18	Labour charges for painting of TWAD Board Emblem in accordance with the size and specifications as approved by the Board on the open well including cost of all consumables, one coat of base paint , scaffolding charges including painting NRDWP Logo on the open well etc., complete and as directed by TWAD Board officers.	2.00	sqm	Spl Spn	2280.20	Rupees Two Thousand Two Hundred & Eighty - Paise Twenty Only	4,560.40
19	Drilling of 150 mm dia trial bore wells in hard rock areas any where in Tamilnadu including transportation to the work site in hord rock areas and developing the bore wells . (Conveyance of hand bore set including loading and unloding to brbe done by the contractor) including cost of fuel,conveyance and collection of sample as directed by the TWAD Board officer.	25.00	M	Spl Spn	295.00	Rupees Two Hundred & Ninety Five Only	7,375.00
							9,06,753.68
							1,08,810.44
							10,15,564.12

Rupees Ten Lakh Fifteen Thousand Five Hundred & Sixty Four - Paise Twelve Only

I/We agree to execute all the above components of works at percentage Execcss/Less over the department value mentioned above.
(The Percentage should be mentione both in words and figure)

Contractor

Executive Engineer /TWAD Board /RWS/KPM