

**WSS TO TAMILNADU SLUM CLEARANCE BOARD 960 NUMBERS OF TENEMENTS IN THILAVARAM VILLAGE IN MARAIMALAI NAGAR IN CHENGALPATTU DISTRICT**

Sl.No	Description of Items	Construction of Open Well 4.50M dia of 16.00M Depth - 2 Nos						
		Probable quantity		TNBP No. & special	Units both in figures and words	Rate		Amount
		Qty	No			In Figures	In words	
1	2	4	5	6	7	8	9	10
1	Earth work open well excavation, complying with relevant clauses of T.N.D.S.S. Well sinking and with lead upto 10 metres in Hard stiff clay, stiff black cotton soil, hard red earth, shales, murrums gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil etc. complete and as directed by the TWAD Board Officers.			SS 20B, 23 & Spl. Spn.				
	First depth 0 - 2.00m below GL	157.140	2		1M <sup>3</sup> (One cubic metre)	105.93	Rupees One Hundred & Five - Paise Ninety Three Only	33291.68
2	Earthwork excavation with an initial lead of 10 metre & initial lift of 2metre in soft disintegrated rock laterite soft rock or kankar not requiring blasing for the follwoing depth and deposing the surplus earth etc complete and as directed by TWAD Board Officers.			SS 20B & 23 & Spl. Spn.				
a	II nd depth 2.0m - 4.0m below GL	77.00	2		1M <sup>3</sup> (One cubic metre)	326.48	Rupees Three Hundred & Twenty Six - Paise Fourty Eight Only	50277.92
b	III rd depth 4.0m - 6.0m below GL	77.00	2		1M <sup>3</sup> (One cubic metre)	489.72	Rupees Four Hundred & Eighty Nine - Paise Seventy Two Only	75416.88
3	Earthwork excavation open well complying with relevant clauses of TNDSS with a lead up to 10m and initial lift of 2m in medium rock and Dense Medium Rock not requiring blasting for the following depth and depositing the surplus earth on bank etc complete and as directed by the TWAD Board Officers.			SS 20B & 23 & Spl. Spn.				
a	IVth depth 6.00m -8.00m below GL	31.82	2		1M <sup>3</sup> (One cubic metre)	1051.16	Rupees One Thousand & Fifty One - Paise Sixteen Only	66895.82

CONTRACTOR

SUPERINTENDING ENGINEER

4	Earthwork excavation open well complying with relevant clauses of TNDSS with a lead up to 10m and initial lift of 2m in medium rock and Dense Medium Rock requiring blasting for the following depth and depositing the surplus earth on bank etc complete and as directed by the TWAD Board Officers.			SS 20B & 23 & Spl. Spn.				
a	V th depth of 8.00m -10.00m below GL	31.820	2		1M <sup>3</sup> (One cubic metre)	1790.00	Rupees One Thousand Seven Hundred & Ninety Only	113915.60
5	Earthwork excavation for open well complying with relevant clauses of TNDSS with a lead upto 10m in Hard granite measured in solid including blasting stocking and depositing the surplus earth on bank etc., complete and as directed by the TWAD Board officers.			SS 20B & 23 & Spl. Spn.				
a)	VI th depth 10.0 - 12.0m below GL	31.820	2		1M <sup>3</sup> (One cubic metre)	4620.00	Rupees Four Thousand Six Hundred & Twenty Only	294016.80
b)	VII th depth 12.0 - 14.0m below GL	31.820	2		1M <sup>3</sup> (One cubic metre)	6160.00	Rupees Six Thousand One Hundred & Sixty Only	392022.40
c)	VIII th depth 14.0 - 15.0m below GL	31.820	2		1M <sup>3</sup> (One cubic metre)	7700.00	Rupees Seven Thousand Seven Hundred Only	490028.00
6	Plain Cement Concrete 1:4:8 (One Cement, four Sand and eight HBGS) using 40mm size HBS metal for levelling concrete for foundation including cost of all materials, labour, mixing & placing the concrete in position, ramming curing finishing etc.,complete including mixing and placing the concrete in position curing etc. complete and as directed by TWAD Board Officers			SS No.28 and special specificaiton.				
	4.5 - 9.0 m below GL	1.570	2		1M <sup>3</sup> (One cubic metre)	4578.68	Rupees Four Thousand Five Hundred & Seventy Eight - Paise Sixty Eight Only	14377.06

7	Random Rubble masonry with cement mortar 1:5 (one cement and Five sand) using rough stone and bond stone roughly dressed for construction of well steining including supply of all materials labour mixing of mortar placing curing finishing etc.complete and as directed by TWAD Board officers.			SS 35, 35H & Special Specification				
a	open well steining wall above GL & below 1.50m	20.910	2		1M <sup>3</sup> (One cubic metre)	6115.38	Rupees Six Thousand One Hundred & Fifteen - Paise Thirty Eight Only	255745.19
b	open well steining wall above 1.50-4.50m below GL	21.190	2		1M <sup>3</sup> (One cubic metre)	6190.51	Rupees Six Thousand One Hundred & Ninety - Paise Fifty One Only	262353.81
c	open well steining wall above 4.50m -9.0m below GL	8.240	2		1M <sup>3</sup> (One cubic metre)	6341.21	Rupees Six Thousand Three Hundred & Fourty One - Paise Twenty One Only	104503.14
8	Reinforced cement concrete Design Mix M30 grade using 10mm & 20mm hard blue granite stone (Machine crushed) for the follwing members. The rate is excluding cost of supplying fabricating and placing in position of steel reinforcement centring, shuttering, strutting but including cost of all materials, labour, mixing & placing the concrete with machnical vibrators, ramming, Consolidating, finishing the concrete curing etc., complete and as directed by the TWAD Board Officers.			SS 28, 30 & Special Specification				
a)	Ring beam at GL (0-1.50M below GL)	4.050	2		1M <sup>3</sup> (One cubic metre)	6288.93	Rupees Six Thousand Two Hundred & Eighty Eight - Paise Ninety Three Only	50940.33
b)	Ring beam at 1.50m to 4.50m below GL	2.350	2		1M <sup>3</sup> (One cubic metre)	6400.80	Rupees Six Thousand Four Hundred - Paise Eighty Only	30083.76
c)	Ring beam at 4.50m to 6.00m below GL	2.350	2		1M <sup>3</sup> (One cubic metre)	6625.20	Rupees Six Thousand Six Hundred & Twenty Five - Paise Twenty Only	31138.44

9	Centering for soffits of RCC members for Plane surface including shuttering, stutting to the centering and providing supports etc. for the following members using MS sheets of size 90cm x 60cm and BG 10 gauge stiffened with welded MS angle of size 25mm x 25mmx3mm laid over silver oak (country wood) joist of size 10cmx6.5cm spaced at about 90cm c/c and casuriuna props of 10 cm to 13 Cm dia spaced at 75cm c/c for various heights etc., complete and as directed by TWAD Board Officers.(The centering should be removed after the specified striping time of the concrete as per IS 456/1978 )			SS 30, 86A and Special Specification.				
A	For plane surfaces							
i	Plane surface up to 3.3m HT	17.780	2		1 M <sup>2</sup> (One Square Metre)	899.80	Rupees Eight Hundred & Ninety Nine - Paise Eighty Only	31996.89
B	Curved surface							
i	up to 3.3m HT	31.400	2		1 M <sup>2</sup> (One Square Metre)	1349.70	Rupees One Thousand Three Hundred & Fourty Nine - Paise Seventy Only	84761.16
10	Casting of precast RCC cover slab of size 1.20m x 0.45 m x 0.075 m using 20 mm hard broken stone jelly, lifting and fixing in position over the well including cost of steel reinforcement mould, base plate pointing with cement mortar 1:3 (One cement and three sand) etc complete and as directed by TWAD Board Officers.	27.890	2	SS 28,30 & Special Specification	1 M <sup>2</sup> (One Square Metre)	1226.42	Rupees One Thousand Two Hundred & Twenty Six - Paise Fourty Two Only	68409.71
11	Supplying, Cutting, bending, tying, fabricating & placing in position of steel rods for all RCC works including cost of steel and binding wire etc. But excluding cost of centring and shuttering, strutting etc., complete. The steel should conform 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, fright, unloading, stacking, transit insurance charges, taxes, etc. complete and as directed by TWAD Board Officers.	8.110	2	SS 30 and Spl. Spn.	1 Qtl. (One quintal)	8101.25	Rupees Eight Thousand One Hundred & One - Paise Twenty Five Only	131402.28

12	Baling out water by hiring diesel pumpset upto 5 HP including cost of crew and fuel charges etc complete as directed by TWAD Board.	156.00	2	Special Specification	1 Hour (one hour )	296.50	Rupees Two Hundred & Ninety Six - Paise Fifty Only	92508.00
13	Refilling the outside of the well with excavated earth (other than sand) complying with standared specification for filling the foundation including watering consolidation etc., complete as directed by TWAD Board.officers.	141.580	2	SS 24, 25 & special specification	1M <sup>3</sup> (One cubic metre)	39.96	Rupees Thirty Nine - Paise Ninety Six Only	11315.07
14	Flush Pointing with CM1:3 (one cement and three sand) for Randam Rabble Masonary including cost of all materials, labour, curing etc., complete and as directed by TWAD Board Officers.	9.430	2	SS 62 & Special Specification	1 M <sup>2</sup> (One Square Metre)	297.73	Rupees Two Hundred & Ninety Seven - Paise Seventy Three Only	5615.19
15	Provision ventilating arrangement with 100mm AC cowl with mosquito net as per standard specification	2.000	2	Special Specification	1 No. (one Number)	58.00	Rupees Fifty Eight Only	232.00
16	White washing two coats using fine screened shell lime for the new plastered surface for inner and outer side of the room including the cost of materials labour charges etc., complete and as directed by TWAD Board Officers.	28.29	2	Special Specifications	1 sq.m (One Square metre)	31.86	Rupees Thirty One - Paise Eighty Six Only	1802.64
17	Applying two coats of cement paint of approved colour and quality over cement plastered wall surfaces including cleaning,preparing the surface area and including al cost of materials,labour charges curing etc., complete and as directed by TWAD Board Officers.	28.29	2	Special Specifications	1 sq.m (One Square metre)	187.48	Rupees One Hundred & Eighty Seven - Paise Fourty Eight Only	10607.62
18	Labour charges for Painting TWAD Board Emblem in accordance with the size and specifications as approved by the Board on the side wall including cost of all consumables, one coat of base paint, scaffolding charges including painting Logo on the front wall etc.,complete and as directed by the TWAD Board Officers.	2.00	2	Special Specifications	1 m <sup>2</sup> (One Square metre)	2677.40	Rupees Two Thousand Six Hundred & Seventy Seven - Paise Fourty Only	10709.60

<div>II</div> <div>PUMPSETS</div>								
19	Supply and delivery of Open well Submersible pump set conforming to IS 14220 /2002 and as amended thereafter and BEE 3 Star Rated capable of discharging the following duties due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze mixed type impeller, CI FG 200 grade casing and brass screws and rotor shall be of copper rod as per IS 613/1984 with ISI mark. The pump suitable for installation in sump with 1.1KV grade 3 core suitable copper flat submersible cable to a length of 15m with necessary cable joints. The non-return valve located at the top of the pump in the discharge outlet connection is to be designed with minimum friction. The pump should be directly coupled to 2880 RPM, three phase, 50 Hz (±5), 415V+6% & 415V-15% squirrel cage induction motor suitable for DOL upto 5 HP , Fully Automatic Air break Star Delta up to 20 HP and Auto Transformer starter for above 20 HP starting and for continuous operation.							
a	Supply, delivery and erection of Submersible Pumpset of 202 lpm x 66m Head, 7.5 HP. (standbye -2nos)	4	set	IS 14220 /2002 & Special Specification	1 set(One set )	69690.00	Rupees Sixty Nine Thousand Six Hundred & Ninety Only	278760.00

20	Supply and delivery of Fully Automatic Auto Transformer Starter suitable for the motor offered. Floor mounting type air/ oil cooled Auto Transformer Starter with tapings at 50%, 65%, 80%, housed in robust steel chamber with arc and main contacts conforming to IS 8544 Part IV and as amended thereafter for operation in AC three Phase 50 Hz (+/- 5%), 415V (+/- 10%) with the following components etc. under voltage release with no volt coil, over load relay with dash pot arrangements, single phasing preventor, LED ON/ OFF switches, Mounted Ammeter, Earth leakage relay, contactor assembly suitable for next standard KW rating, incoming and outgoing cable entry provisions, transformer tank including first filling of oil etc. 7.50HP	4	set	Special Specifications	1 set(One set )	30617.00	Rupees Thirty Thousand Six Hundred & Seventeen Only	122468.00
21	Supply, delivery of 1.1 KV Grade,PVC insulated and sheathed 3 core flat copper submersible cable with ISI marking conforming of IS 694/1990 of reputed make for submersible motor erected in borewell.							
a	6.00 Sq.mm Copper cable (15m+15m+15m+15m)	60	m	Special Specifications	1m(One Metre )	251.00	Rupees Two Hundred & Fifty One Only	15060.00

22	Supply and Delivery of 1.1 KV grade 3 core Aluminum conductor U.G. cable conforming to IS 1554/part I and with ISI marking of reputed make for submersible motor erected in the Bore well/Open well (168m+186m+168m+186m)			Special Specifications				
a	16 Sq.mm Armoured Aluminum conductor cable	708	m	Special Specifications	1m(One Metre )	119.00	Rupees One Hundred & Nineteen Only	84252.00
b	Laying of 16 Sqmm Armoured Aluminum conductor cable below GL including earth work excavation and refilling the trench after the cable laid etc., complete	350	m	Special Specifications	1m(One Metre )	160.00	Rupees One Hundred & Sixty Only	56000.00
c	Laying of 16 Sqmm Armoured Aluminum conductor cable in trenches inside the pump room or in air etc., complete	4.00	m	Special Specifications	1m(One Metre )	103.00	Rupees One Hundred & Three Only	412.00
23	Supply and delivery of GI medium class pipes and specials as per relevant IS as listed below.							
a	50mm GI Pipe (3m) length Medium	68	m	Special Specifications	1m(One Metre )	412.00	Rupees Four Hundred & Twelve Only	28016.00
b	50mm GI Coupling	23	Nos	Special Specifications	1 No each	135.00	Rupees One Hundred & Thirty Five Only	3105.00
c	50mm GI Bend	12	Nos	Special Specifications	1 No each	154.00	Rupees One Hundred & Fifty Four Only	1848.00



d	50mm GI Flangeset	4	Nos	Special Specifications	1 No each	79.00	Rupees Seventy Nine Only	316.00
e	50mm MS Clampset	4	Nos	Special Specifications	1 No each	223.00	Rupees Two Hundred & Twenty Three Only	892.00
f	50mm GM Non Return Valve	4	Nos	Special Specifications	1 No each	2082.00	Rupees Two Thousand & Eighty Two Only	8,328.00
g	50 x 80mm GI reducer	4	Nos	Special Specifications	1 No each	178.00	Rupees One Hundred & Seventy Eight Only	712.00
h	90m PVC T.Coupler	4	Nos	Special Specifications	1 No each	54.00	Rupees Fifty Four Only	216.00
i	50mm Ball Valve/ GM Gate Valve	4	Nos	Special Specifications	1 No each	2062.00	Rupees Two Thousand & Sixty Two Only	8,248.00
j	90mm HDPE Tee	2	Nos	Special Specifications	1 No each	310.00	Rupees Three Hundred & Ten Only	620.00
24	Lighting the pump room including internal wiring with switch circute fuses etc. with the following light fittings with ISI marking.							-
a	40W box type tube light - 1 No.	1	No.	Special Specifications	1 No each	450.00	Rupees Four Hundred & Fifty Only	450.00
b	100W bulb with angle holder (103.40 + 16.50)	1	No.	Special Specifications	1 No each	119.90	Rupees One Hundred & Nineteen - Paise Ninety Only	119.90
c	100W bulk head fittings	2	No.	Special Specifications	1 No each	274.90	Rupees Two Hundred & Seventy Four - Paise Ninety Only	549.80
d	5 AMPS 3 pin socket with switch	1	No.	Special Specifications	1 No each	33.90	Rupees Thirty Three - Paise Ninety Only	33.90
e	5 Amps switches for light(Flush type)	4	No.	Special Specifications	1 No each	16.05	Rupees Sixteen - Paise Five Only	64.20

25	Providing lighting wiring using MS conduit pipes and specials with 2 runs 1.5 sqmm PVC copper wire and 1 run 12 swg GI wire for earthing for light, fans and 5A plug points etc.,	3	nos	Special Specifications	1 No each	956.00	Rupees Nine Hundred & Fifty Six Only	2,868.00
26	Suppling and Delivery of the following materials for EB power supply arrangements							
a	Aerial fuse board of size 15 x 10 x 6cm with 32 A aerial fuse carrier(3 Nos.)	1	No	Special Specifications	1 No each	234.40	Rupees Two Hundred & Thirty Four - Paise Fourty Only	234.40
b	Wall mounting type MS cubical EB meter box with fuse carrier (3 Nos) of 32 A capacity at EB supply point.This box is also to accommodate TNEB energy meter with proper ventilation as approved by TNEB.	1	No	Special Specifications	1 No each	460.50	Rupees Four Hundred & Sixty - Paise Fifty Only	460.50
c	Supply and laying of 7/20 size PVC insulator copper conductor cable from Aerial fuse to EB supply point etc., complete as per I.E Rules.	60	m	Special Specifications	1m(One Metre )	24.00	Rupees Twenty Four Only	1,440.00
d	25mm dia GI pipe for service point	3	m	Special Specifications	1m(One Metre )	208.00	Rupees Two Hundred & Eight Only	624.00
e	25mm dia GI Elbow	2	Nos.	Special Specifications	1 No each	53.00	Rupees Fifty Three Only	106.00
f	No.8 GI wire for earth(Twin earthing)	2	KG	Special Specifications	1KG(One Kilogram )	94.90	Rupees Ninety Four - Paise Ninety Only	189.80
g	Stay wire 7/20	2	KG	Special Specifications	1KG(One Kilogram )	24.20	Rupees Twenty Four - Paise Twenty Only	48.40
h	20mm GI pipe for twin earthing and cable encasing	10	m	Special Specifications	1m(One Metre )	140.00	Rupees One Hundred & Fourty Only	1,400.00
i	4way nutral link	1	No.	Special Specifications	1 No each	28.50	Rupees Twenty Eight - Paise Fifty Only	28.50
j	TW panel board (41 x 31 x 6cm)	1	No.	Special Specifications	1 No each	132.00	Rupees One Hundred & Thirty Two Only	132.00

27	Labour charges for erection of submersible pump set including fixing and jointing the submersible cable with clamps to the required depth, valves and erection panel board control room twin earthing as per I.E Rules including cost of civil works							
a	Above 5.00 HP to 10.00 HP	4	set	Special Specifications	1 set(One set )	11517.60	Rupees Eleven Thousand Five Hundred & Seventeen - Paise Sixty Only	46,070.40
28	Inlet Connection for Existing OHT							
a	65 mm GI pipe	10	m	Special Specifications		527.00	Rupees Five Hundred & Twenty Seven Only	5,270.00
b	65 mm GI coupling	4	nos	Special Specifications		225.00	Rupees Two Hundred & Twenty Five Only	900.00
c	65 mm GI Bend	12	nos	Special Specifications		262.00	Rupees Two Hundred & Sixty Two Only	3,144.00
d	90 x 75 mm PVC Reducer	4	nos	Special Specifications		21.00	Rupees Twenty One Only	84.00
III	<b>Construction of Pump Room at Head Works</b>							
29	Earth work excavation and depositing on bank with an initial lead of 10m and initial lift of 2m Hard stiff clay, stiff black cotton soil, hard red earth, shales, murams, gravel, stoney earth, and earth mixed with 50% fair size boulders and hard gravelly soil -SS20B	16.03	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	212.52	Rupees Two Hundred & Twelve - Paise Fifty Two Only	3406.70
30	Supply and filling the foundation and basement with sand in layers complying with standard specification including consolidation and watering etc. complete and as directed by TWAD Board Officers.	5.57	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	1189.80	Rupees One Thousand One Hundred & Eighty Nine - Paise Eighty Only	6627.19

31	Levelling course with P.C.C 1:4:8 (one cement, four sand and eighth course aggregate) using 40 mm H.B.G stone including mixing concrete, laying, curing and compacting of concrete etc., complete and as directed by the TWAD Board Officers.	4	m <sup>3</sup>	Special Specifications	1Cum(1 Cubic meter)	4578.68	Rupees Four Thousand Five Hundred & Seventy Eight - Paise Sixty Eight Only	18314.72
32	Random rubble masonry with CM 1:5(one cement and five sand) for footing and basement including cost of materials, mixing, placing, curing and finishing etc., complete as directed by the TWAD board officers.	12.43	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	4877.22	Rupees Four Thousand Eight Hundred & Seventy Seven - Paise Twenty Two Only	60623.84
33	Brick work in CM 1:6 (one cement and six sand) using country bricks of size 8.75" X 4.25" X 2.00" including cost of all materials, labour charges, curing etc., complete and as directed by TWAD Board Officers.	9.81	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	5814.524	Rupees Five Thousand Eight Hundred & Fourteen - Paise Fifty Two Only	57040.48
34	Reinforced cement concrete 1:1.5:3 (one cement, one and half sand, three course aggregate) using 20mm size hard blue granite stone (machine crushed) for plinth beam lintel and Sunshade excluding cost of reinforcement, fabrication and placing the grills in position and excluding cost of centering, shuttering, strutting but including curing and finishing mixing concrete using machanical mixer machine and compaction by machanical vibrator etc., complete and as directed by TWAD Board Officers.	1.27	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	7930.32	Rupees Seven Thousand Nine Hundred & Thirty - Paise Thirty Two Only	10071.51
35	Reinforced cement concrete 1:1.5:3 (one cement, one and half sand, three course aggregate) using 20mm size hard blue granite stone (machine crushed) for beam and roof slab excluding cost of reinforcement, fabrication and placing the grills in position and excluding cost of centering, shuttering, strutting but including curing and finishing mixing concrete using machanical mixer machine and compaction by machanical vibrator etc., complete and as directed by TWAD Board Officers.	2.56	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	7930.32	Rupees Seven Thousand Nine Hundred & Thirty - Paise Thirty Two Only	20301.62

36	Centering for sides and soffits of R.C.C slab of plane surface for R.C.C floor slab including strutting upto 3.3 mt height using MS sheets of size 90cmx60cm and stiffend with welded MS angle of size 25mmx25mmx3mm laid over silver oak (country wood) joists of size 10cmx6.5cm (space at about 90cm c/c) and supported by casurina props of 10cm to 13cm dia 90cmx60cm and BG10 guage (spaced at 75cm c/c) complying with standard specification etc., complete as directed by the TWAD Board Officers.							
a	Roof slab	16.12	m2	Special Specifications	1sqm(One square Metre )	899.80	Rupees Eight Hundred & Ninety Nine - Paise Eighty Only	14504.78
b	Others	8.80	m2	Special Specifications	1sqm(One square Metre )	899.80	Rupees Eight Hundred & Ninety Nine - Paise Eighty Only	7918.24
37	Plastering with CM 1:5(one cement and five sand) 12mm thick including cost of materials, labour charges for finishing, curing etc., complete and as directed by TWAD Board Officers.	89.32	m2	Special Specifications	1sqm(One square Metre )	232.56	Rupees Two Hundred & Thirty Two - Paise Fifty Six Only	20772.26
38	Pointing with CM 1:3(one cement and three sand) (flush Pointing) for RR masonry including finishing, curing etc., complete and as directed by TWAD Board Officers	12.54	m2	Special Specifications	1sqm(One square Metre )	297.73	Rupees Two Hundred & Ninety Seven - Paise Seventy Three Only	3733.53
39	Supplying fabricating and placing in position of RTS grills at all heights for reinforcement including cost of steel for all works and labour charges including cost of binding wire etc., complete for all RCC works and as directed by TWAD Board Officers.	4.02	Qtl	Special Specifications	1qtl (One quantal )	8101.25	Rupees Eight Thousand One Hundred & One - Paise Twenty Five Only	32,567.03
40	Floor finsiing with CM 1:3(one cement and three sand) 20mm thick including cost of materials, labour charges for finishing, curing etc., complete and as directed by TWAD Board Officers.	12.17	m <sup>2</sup>	Special Specifications	1sqm(One square Metre )	950.02	Rupees Nine Hundred & Fifty - Paise Two Only	11,561.74

41	Special ceiling plastering with CM 1:3 (one cement and three sand) 10 mm thick including labour charges for mixing, finishing , curing etc., complete and as directed by TWAD Board Officers.	16.12	m <sup>2</sup>	Special Specifications	1sqm(One square Metre )	269.15	Rupees Two Hundred & Sixty Nine - Paise Fifteen Only	4,338.70
42	White washing two coats using fine screened shell lime for the new plastered surface for inner and outer side of the room including the cost of materials labour charges etc., complete and as directed by TWAD Board Officers.	54.34	m <sup>2</sup>	Special Specifications	1sqm(One square Metre )	31.86	Rupees Thirty One - Paise Eighty Six Only	1,731.27
43	Colour washing two coats with approved colour and quality over two coats of white washing for outside of the room including the cost of materials, labour charges, cleaning and preparation of the surface and curing etc., complete and as directed by TWAD Board Officers	62.44	m <sup>2</sup>	Special Specifications	1sqm(One square Metre )	187.484	Rupees One Hundred & Eighty Seven - Paise Fourty Eight Only	11,706.50
44	Supplying and fixing of steel Doors 1x2m two leaves including all cost , with fitting etc complete as directed byTWAD BOARD officers	1	No	Special Specifications	1 No each	4548.00	Rupees Four Thousand Five Hundred & Fourty Eight Only	4,548.00
45	Supplying and fixing of steel Windows 0.9 x 1.2m two leaves including all cost , with fitting etc complete as directed by TWAD BOARD officers	2	No	Special Specifications	1 No each	3628.00	Rupees Three Thousand Six Hundred & Twenty Eight Only	7,256.00
46	Painting the Doors, Windows & Ventilators on both sides with readymixed enamel paint two coats over priming coat of approved quality and colour including thorough scrapping clean removal of dirt etc. complete complying with standard specification including cost of paint and brushes, labour charges etc., and as directed by TWAD Board Officers. The colour and quality has to be approved by TWAD Board Officers.	8.32	m <sup>2</sup>	Special Specifications	1sqm(One square Metre)	133.83	Rupees One Hundred & Thirty Three - Paise Eighty Three Only	1,113.47

47	Weathering course with broken Brick Jelly of 20 mm size in pure slaked lime (no sand to be used) over RCC Roof slab with proportion being 32:12 1/2 for required depth of 80mm thickness over the roof slab as required well beaten with wooden beaters for giving required slope complying with standard specification etc., complete and as directed by TWAD Board Officers.	1.36	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	1504.29	Rupees One Thousand Five Hundred & Four - Paise Twenty Nine Only	2,045.83
48	Terrace Flooring with two course of flat tiles using of size 200mm x 200mm x 20mm laid in CM 1:3 (one cement and three sand) mixed with crude oil to 10% by weight of cement and pointed neatly with the same oiled mortar etc., complete complying with standard specification and as directed by TWAD Board Officers.	17.06	m <sup>2</sup>	Special Specifications	1sqm(One square Metre )	1206.37	Rupees One Thousand Two Hundred & Six - Paise Thirty Seven Only	20,580.67
49	Refilling with excavated earth (other than sand) complying with standard specifications for filling the foundations including watering & consolidation etc. complete as directed by TWAD Board Officers.	8.89	m <sup>3</sup>	Special Specifications	1 Cum(1 Cubic meter)	36.96	Rupees Thirty Six - Paise Ninety Six Only	328.57
IV	<b>PUMPING MAIN</b>							
50	Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply and sewerage works in the following type of soils Hard stiff clay, stiff black cotton, hard red earth, shales, murrum gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil.SS20B as directed by Departmental officers (Linear measurement)	1000	M	SS 20B, 23 & Spl. Spn.	1m(One Metre )	152.15	Rupees One Hundred & Fifty Two - Paise Fifteen Only	152150.00
51	Earth work excavation and depositing on bank with initial lead of 10m and lift of 2.00m in narrow trenches for laying of pipes for water supply works in the following types of soil strata as directed by departmental officers In Medium rock and dense medium rock not requiring blasting.	252	Cum	SS 20B, 23 & Spl. Spn.	1 cum (One cubic meter )	505.40	Rupees Five Hundred & Five - Paise Fourty Only	127360.80

52	Supply of unplasticised HDPE rigid pipes as per IS 4984 / 2016 with ISI Marking to site of works including loading, unloading and Transportation charges			IS 4984 / 2016 and special specification				
a	90mm DIA PE 100 PN 6 HDPE Pipe	2550	M		1m(One Metre )	248.00	Rupees Two Hundred & Fourty Eight Only	632400.00
53	Supply of HDPE specials as per IS 8360/1977 Part 1 to 3 with ISI Marks to site of works			IS 8360/1977 & special specification				
a	90mm HDPE Bend	6	Each		1 No each	215.00	Rupees Two Hundred & Fifteen Only	1290.00
b	90mm HDPE coupler	4	Each		1m (One Metre )	99.00	Rupees Ninety Nine Only	396.00
54	Lowering the HDPE Pipes and specials to trench , laying to proper grade and alignment and as directed by the TWAD Bd Officers							
a	90mm DIA PE 100 PN 6 HDPE Pipe	2550	M		1m (One Metre )	14.70	Rupees Fourteen - Paise Seventy Only	37485.00
55	Jointing the HDPE Pipes and specialsby butt fusion and electro fusion welding joints using fusion equipments as per ISO 21307 - 2011 and as per IS 7634 ( Part 2) : 2012 including the cost of hire charges for butt fusion arrangements and power supply arrangements etc. complete and as directed by the TWAD Bd Officers			ISO 21307 - 2011 and as per IS 7634 & special specification				
a	90mm HDPE Joint	51	Nos		1m(One Metre)	142.60	Rupees One Hundred & Fourty Two - Paise Sixty Only	7272.60
56	Refilling with excavated soil complying with standard specification in layers of 15 cm thick well rammed and consolidated after pipes and specials are laid and tested.		special specification					
a	90mm DIA PE 100 PN 6 HDPE Pipe	1400	M		1 No each	20.97	Rupees Twenty - Paise Ninety Seven Only	29358.00



57	Testing of P.V.C./ HDPE pipes with hydraulic testing equipment by filling with water (including cost of water) and testing to recommended pressure inconvenient stretches and attending the bursts if any occurred during the test, excluding the cost of pipes, including other incidental and operational charges etc., complete			special specification				
a	90mm DIA PE 100 PN 6 HDPE Pipe	2550	M		1m (One Metre)	63.50	Rupees Sixty Three - Paise Fifty Only	1,61,925.00
58	Supply and delivery of GI pipes medium class as per IS.1239/part I/ 1990 to site of work with ISI Marking			IS.1239/part I/ 1990 & special specification				
a	80mm GI pipe	200	M		1m (One Metre)	653.00	Rupees Six Hundred & Fifty Three Only	1,30,600.00
59	Supply and delivery of GI specials as per IS specification with ISI marking			IS specification				
a	80mm GI Bend	4	Each		1 No each	395.00	Rupees Three Hundred & Ninety Five Only	1,580.00
b	80mm GI coupling	33	Each		1 No each	276.00	Rupees Two Hundred & Seventy Six Only	9,108.00
60	Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply and sewerage works in the following type of soils Hard stiff clay, stiff black cotton, hard red earth, shales, murram gravel, stoney earth and earth mixed with small size boulders and hard gravelly soil.SS20B as directed by Departmental officers							
a	80mm dia Pipe	100	M	Special Specifications	1m(One Metre )	190.79	Rupees One Hundred & Ninety Paise Seventy Nine Only	19,079.00
61	Lowering the GI Pipes and specials to trench , laying to proper grade and alignment and as directed by the TWAD Bd Officers							
a	80mm dia GI Pipe	200	M	Special Specifications	1m(One Metre )	23.40	Rupees Twenty Three - Paise Fourty Only	4,680.00

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62	Refilling with excavated soil complying with standard specification in layers of 15 cm thick well rammed and consolidated after pipes and specials are laid and tested.							
a	80mm dia GI Pipe	100	M	Special Specifications	1m(One Metre )	26.24	Rupees Twenty Six - Paise Twenty Four Only	2,624.00
63	Providing 25mm SAV along the pumping main alignment	2	M	Special Specifications	1m(One Metre )	1703.00	Rupees One Thousand Seven Hundred & Three Only	3,406.00
64	Labour for cutting open road for laying water mains							
a	B.T. Roads (or) Maccadam road	100	M <sup>3</sup>	Special Specifications	1 cum(One cubic meter )	729.00	Rupees Seven Hundred & Twenty Nine Only	72,900.00
b	Concrete Roads	100	M <sup>3</sup>	Special Specifications	1 cum(One cubic meter )	1020.90	Rupees One Thousand & Twenty - Paise Ninety Only	1,02,090.00
65	Supply and delivery of Woltman model with removal mechanism water meters, (no domestic use) conforming to ISO 4064 part I, II, III Class B and IS-2373 with life cycle test certificate from FCRI/ NABL accredited lab. The watermeter shall have magnetic drivers or mechanical drivers and shall be versatile for installation in any position. The meters shall be hydrodynamically, hydrostatically balanced. The runner, runner chamber, pointers of the meter shall be as per ISO 4064 specification. Dry dial excavated counter housing fully protected against flooding ensuring easy reading in all climates. 80 mm dia	2	No	ISO 4064 part I, II, III Class B and IS-2373 & Special Specifications	1No (One Number )	20699.00	Rupees Twenty Thousand Six Hundred & Ninety Nine Only	41,398.00

V	Maintenance of the Scheme for the Period of 3 Months at free of cost							
66	Maintenance of the project for the specified period by necessary maintenance crew with supervisory staff and keeping necessary specials required for Pumping main / Pumpsets etc. readily available to ensure uninterrupted water supply to the beneficiary including all cost towards spares, consumables, repairs and renewal etc complete and as directed by TWAD Board officers	3	Months	Special specification			Free of cost	
							<b>Sub Total Rs.</b>	<b>52,46,032.84</b>
							<b>Add GST 18% Rs.</b>	<b>9,44,285.91</b>
							<b>Grand Total Rs.</b>	<b>61,90,318.75</b>

**Rupees Sixty One Lakhs and Ninety Thousand Three Hundred and Eighteen and Paise Seventy Five only**

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

CONTRACTOR

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