

NADUVATTAM TOWN PANCHAYAT
SCHEDULE – A

Name of the Scheme : O & M SCHEME (2021 - 2022)

Name of the work : Improvement to T.R.Bazaar - Belview - Terrace road Town Panchayat

Est. Amount : Rs 30000000.00

Schedule of rates and approximate quantities to accompany the tender for the work of Improvement to T.R.Bazaar - Belview - Terrace road in Naduvattam Town Panchayat

(a) The quantities have given are those upon which the lump sum tender cost of the work is based, but they are subject to alternations, omissions deductions of additions a provided for in the conditions of the contract and do not necessarily show the actual quantities of work to be done.

The unit of rates noted below are those governing payment for extras of deduction for omission according to the conditions of the contract in the conditions and specifications for the contract.

(b) It is to be expressly undertook that the measured work it is to be taken out (not with standing any outstemerly practice to the contrary) according to the actual quantities who the place and finished according to the drawing or as may be ordered from time to time. The rates quoted are for works in site and complete in every respect.

S. No	Quantity		Description of Work	Units	TNDSS NO	Rate in Figures	Rate in Words	Amount
1	3555.00	m3	Earth work excavation for foundation and depositing on bank with in the initial lead of 10m and a lift of 2m in hard stiff clay, stiff block cotton, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders etc. complete. complying with std. specifications.SS 20 B	1 m3 One Cubic Metre	23,24, VI(S2) VII, 9 ,10			
2	241.00	m3	Earth work excavation for foundation and depositing on bank with in the initial lead of 10m and a lift of 2m in hard stiff clay, stiff block cotton, hard red earth, shales, murrum, gravel, stoney earth and earth mixed with small size boulders etc. complete. complying with std. specifications.SS 20 B	1 m3 One Cubic Metre	23,24, VI(S2) VII, 9 ,10			
3	251.00	m3	Plain Cement Concrete 1:4:8 Mix (one part cement, Four part sand and Eight part of aggrigate) using 40mm size ISS HBG metal machine crushed from approved quarry including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.	1 m3 One Cubic Metre	28,1006, 1007,1008, 1010,1015, 1700			

4			Supplying and erecting centering for sides and soffits including supports and strutting upto 3.00m height for plane surface such as RCC Slab, Rectangular Beams, Tee (or) ELL Beams, Lintel Bed Block, Slabs, Landing Slabs, Beams Canopy, Side Slab (or) Square (or) Round columns etc., as detailed below with all cross branching using M.S. Sheets of size 80cm x 60cm and B.G. 10 stiffened with welded M.S. Angles of size 25 x 25 x 3mm for boarding laid over silver oak or country wood joints of 10cm to 30cm to dia spaced at 75cm c/c etc., complete complying with standard specifications as directed by departmental officers etc., complete.					
	312.00	m2	Below 1.00 m Height	1 m2 One Square Metre	30 & 86			
	245.00	m2	Above 1.00 m Height	1 m2 One Square Metre	30 & 86			
5	9520.00	kg	Supplying and fabrication of Steel and placing in position of TMT steel rod for RCC works as per design given including cost of steel and GI binding wire in all floors etc., Complete complying with standard specification in TNDSS NO:97 V, VI (S6) VII (S6), VII-3	1 Kg One Kilo Gram				

6	0.00	0.00	<p>Providing and laying in position, standard concrete mix M20 grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all R.C.C. items of works with minimum cement concrete of 325 Kg/m³ and maximum water cement ratio of 0.55 including admixture (plasticizer and super plasticizer) in recommended proportions as per IS:9130 to accelerate retard setting of concrete, improve workability without impairing strength and durability with about (5cu.m) 7730Kg. of 20mm machine crushed stone jelly and with about (4.79cu.m) 7670Kg of sand but excluding cost of reinforcement grill and fabrication charges, centering and shuttering and also include laying, vibrating with mechanical vibrators, finishing, curing etc., and providing fixture with fan clamps in the R.C.C. floor/ roof slabs wherever necessary with out claiming extra etc., complete complying with standard specification and as directed by the department officers. The Coarse and fine aggregates to be issued should comply with the requirements of IS standard (no separate payment will be made by the department for the excess usage of materials)</p>	1 m ³ One Cubic Metre				
a	47.00	m ³	Retaining wall base	1 m ³ One Cubic Metre				
b	49.00	m ³	Retaining wall Stem and Culvert Deck slab	1 m ³ One Cubic Metre				

7	318.00	m3	Plain Cement Concrete 1:2:4 Mix (one part cement, two part sand and four part of aggregate) using 20mm size ISS HBG metal machine crushed from approved quarry including cost and conveyance of all materials to site, loading and unloading charges and labour charges for mixing, laying and curing etc. complete. Complying with std. specifications.	1 m3 One Cubic Metre	9,28,30, V , V1(S3) VII-3			
8	36.00	m3	Plain Cement Concrete 1:3:6 Mix (one part cement, three part sand and six part of aggregate) using 40% of 40mm size and 60% of 20 mm size ISS HBG metal from approved quarry including cost and conveyance of all materials to site. Loading and unloading charges and labour charges for mixing. Laying and curing etc. complete. Complying with std. specification	1 m3 One Cubic Metre	9,28,1006, 1007,1008, 1010,1015, 1700			
9	7.50	Rm	Supply of NP3 Class RCC, 1200 mm dia Hume pipes of 2.50m length confirming to IS 458/1989 cost of pipe as a finished work including all other incidental charges testing charges including loading and unloading transporting and delivery in good condition at work site as directed by the departmental officer etc., complete.	1 Rm One Running Metre				
10	7.50	Rm	Hoisting and fixing of 1200 mm dia pipes and collars to proper gradient including all labour charges and all other incidental charges etc., complete.	1 Rm One Running Metre				
11	2.00	m2	Providing and fixing 12mm Bitumen felt for expansion joint and the rate including cost and conveyance of all materials to work site and all other labour charges etc., complete as per standard specification	1 m2 One Square Metre				

12	455.00	m2	Rubberised Interlocking Paver Block M40 grade providing and laying of 83mm thick heigh strength type confirming IS 15658 - 2006 of Rubberised Interlocking Paver Block in required size of mininum compressive strength of 40N/mm2 in uniform shape of approved make to be laid in flumying bore pattern with approved nin - sticking surface in the top and the rate including levelling the base cushion 150mm thick laying out the pavement cut the pieus to fit edge, vibrating pavers, sweeping transporting leading unloading as per standard specification.	1 m2 One Square Metre				
13	1514.00	m3	Providing and laying ,spreading and compacting graded stone aggregate to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant carriage to mixed material by tipper to site laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per clasue 406 of MORTH specifications.	1 m2 One Square Metre	502			
14	9632.00	m2	Providing and laying Prime coat of 7 kgs/10 sqm over the WMM surface treated with primer using 7 kgs of bituminous Emulsion for 10 square meter area including cost of bituminous binder, including labour charges for applying the required quantity of bituminous binder as Prime coat manually etc., complete as per 502 of MORTH Rev V Specifications	1 m2 One Square Metre	503			

15	9632.00	m2	Providing and laying tack coat of 2.5 kgs/10 sqm over the Prime surface treated with binder using 2.5 kgs of bituminous Emulsion for 10 square meter area including cost of bituminous binder, including labour charges for applying the required quantity of bituminous binder as tack coat manually etc., complete as per 503 of MORTH Rev V Specifications	1 m2 One Square Metre	503			
16	482.00	m3	Providing and laying 50mm consolidated thick Dense Bituminous Macadam using 0.24cum of 26.50-13.20mm, 0.25 cum of 13.20-2.36mm and 0.23 cum of 2.36mm & below and with 53.20Kgs of VG30/VG40 bitumen for premixing per 10sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregate to required temperature and mixing the min. required temperature in central hot mix plant 20-30 ton capacity, conveying the mix by tipper trucks to worksite, spreading the mix to uniform thickness of 50mm with paver to the specified grades and cross sections and compacted by Vibratory / Pneumatic Roller to the required density etc., including labour for attending to paver at site etc., including hire charges and fuel charges for 20- 30t CMP with bitumen boiler, tipper trucks, Paver Finisher /9m paver finisher, Vibratory / Pneumatic rollers and all other tools and plant required, including fuel and all other incidental charges etc., complete as per specification using CMP as per clause	1 m3 One Cubic Metre	505			

17	289.00	m3	Providing and laying Bituminous Concrete to 30mm thick using 0.13 cum of 19.00 - 9.50mm, 0.17cum of 9.50 -2.36mm and 0.26cum of 2.36 and below with 45.27kgs of VG30 / VG40 bitumen and 5.03Kgs of Shredded plastics for premixing per 10sqm including cost and conveyance of all materials to CMP site, heating the bitumen and aggregate to required temperature and mixing the min required temperature in central hot mix plant 20-30ton capacity, conveying the mix by tipper trucks to paver site, spreading the mix to uniform thickness of 30mm with mechanical paver to the specified grades and cross sections and consolidated by 8-10tonne Vibratory / Pneumatic Roller to the required density etc., including labour for attending to paver to site etc., including hire charges and fuel charges for 20-30t CMP with bitumen boiler, tipper trucks, Paver Finisher / 9m paver finisher, Vibratory / Pneumatic roller and all other tools and plant required, including fuel and all other incidental charges etc., complete as per specification using CMP as per clause 507 of MORTH Rev-5.	1 m3 One Cubic Metre	507			
18	602.00	m2	Road marking with Hot Applied Thermo Plastic Compound with Reflectorising Glass Beads on Bituminious Surface Proving and Laying of Hot Applied thermoplastic Compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area thickness of 2.5mm exclusive of surface applied glass beads As Per IRC: 35 The finished surface to be level uniform and free from streaks and holes Including all Charges etc., complete	1 m2 One Square Metre				