

Tender Inviting Authority: Executive Officer Vikkravandi Town Panchayat, Villupuram District

Name of Work: Rejuvenation at Puthu Kulam ward No.11 Surey No 140 (Providing Deepenig, Rivetment, SS Hand Rails, Foot Path, Fencing, Chute Wall, Toilet, Security Room, Sitting Bench, Street lights,C.C.TV and Plantatation) in Vikkravandi Town Panchayat, Villupuram District.

Roc. No. 164/2022

Bidder Name :

SCHEDULE OF WORKS

Sl. No.	Description of work	No.or Qty.	Unit	Estimate Rate (in. Rs.)	RATE In Figures To be entered by the Bidder		AMOUNT Rs. P
					Figures	Words	
1	Earth work in all soils except hard rock requiring Blasting and conveying for formation of Bund with lead 0-100m deploying earth moving machineries and tipper including Bunching formation at bund Breaking clods sectioning etc., complete. As per Standard Specifications.	1000.00	m3			Rupees Only	0.00
2	Earth Work Excavation for foundation in all types of soils and sub soils to full depth (such as Soils in Rock / Silt / Light Black Cotton Soil / Ordinary Soil) except in rock requiring blasting but inclusive of shoring, shuttering and bailing out water wherever necessary and refilling the sides of foundation with excavated earth other than sand in layers of 150 mm thick well rammed and consolidated, depositing the surplus earth in places shown by the Departmental Officers with initial lead of 10 m and initial lift of 2 m. Complete as per TNDSS 23 & 24, V, VI (S2), VII, 9,10	74.50	M3			Rupees Only	0.00

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3	Earth Work Excavation for foundation in all types of soils and sub soils to full depth (such as Soils in Rock / Silt / Light Black Cotton Soil / Ordinary Soil) except in rock requiring blasting but inclusive of shoring, shuttering and bailing out water wherever necessary and refilling the sides of foundation with excavated earth other than sand in layers of 150 mm thick well rammed and consolidated, depositing the surplus earth in places shown by the Departmental Officers with initial lead of 10 m and initial lift of 2 m. Complete as per TNDSS 23 & 24, V, VI (S2), VII, 9,10	123.00	M3			Rupees Only	0.00
4	Providing and laying, spreading and compacting graded stone aggregates to Wet Mix Macadam 250mm thick specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layers with pavers in Sub Base/ Base course on well prepared surface and compacting with vibratory roller to acheive the desired density including cost of material, labour charges, rentals for machinery, fuel and all other incidental charges etc., complete as per clause 406 of MORTH	55.00	M3			Rupees Only	0.00

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5	Providing and laying of 63mm thick high strength type conforming IS 15658-2006 of rubberized interlocking paver block in required sizes of minimum compressive strength of 40 N/mm ² in uniform shape of approved make to be laid in flurrying bone pattern with approved non sticking surface in the top and the rate including leveling the base preparation of sub base with stone dust cushion 100mm thick, laying out the pavement cut the pieces to fit the edge, vibrating the pavers, sweeping transporting, loading unloading and laying of paver block as per standard specification.-10 Sqm paver Block rate PWD SOR Page No; 35	550.00	M2			Rupees Only	0.00
6	Plain Cement Concrete of mix 1 : 4 : 8 (One part of Cement four part of M.sand eight part of aggregates) using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	42.60	M3			Rupees Only	0.00

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7	Supplying and errecting steel centering including necessary supports for plain surfaces for Reinforced Cement Concrete works such as Coloumn footing,Coloumn pedestals,plith beams, grade beams,staircase steps,etc which requires only nominal strutting using mild steel sheetsof size 90mm x60mm and 10Bg stiffened with welded mild steel angles of size 25mm x 25mm x 3mm for boarding, laid over silver oak joists of size 10cm x 6.5cm spaced at about 75cm centre to centre or at suitable intervals etc complete in all floors Complying with standard Specification(TNSS NO or NBC No 30(S) 86 86 A V, VI(S3)VII						0.00
	Foot Path	838.40	M2			Rupees Only	0.00
	For Toilet Column	32.50	M2			Rupees Only	0.00
	Fortoilet room slab GF beam	36.50	M2			Rupees Only	0.00

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					Figures	Words	
8	Plain Cement Concrete 1:2:4(one cement,two M - sand, four 'aggregate)using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	98.00	M3			Rupees Only	0.00
9	Reinforced Cement Concrete 1:1-1/2:3 (One Cement, One and a half sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers 30 V, VI (S5) VII & 13	9.50	M3			Rupees Only	0.00

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Sl. No.	Description of work	No.or Qty.	Unit	Estimate Rate (in. Rs.)	RATE In Figures To be entered by the Bidder		AMOUNT Rs. P
					Figures	Words	
10	Suppling and fabricating and placing in position MS (or) R.T.S. bar for reinforcement to all RCC works as per the design given including cost of steel and binding wire also in all floors.	834.00	KG			Rupees Only	0.00
11	Providing and laying Well Gravel to the specified thick including cost and conveyance of Well gravel from approved quarry and stocking the same at road side to Departmental guage for premeasurement as directed by the Departmental Officers including labour charges for spreading in layers not exceeding 75 mm thick (or) as specified by the departmental officers, levelling, sectioning etc., and all other charges for tools and plants employed for the work and all other incidental charges such as barricading and providing danger lights etc., complete as per standard specification. as per clause 301 & 305 of MORTH	145.13	M3			Rupees Only	0.00
12	Rough stone Dry packing for apron and revetment 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	214.13	M3			Rupees Only	0.00

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					Figures	Words	
13	Plain Cement Concrete 1:2:4(one cement,two M - sand, four 'aggregate)using 40mm gauge hard broken including cost conveyance of all materials to site including formwork and centering labour charges, transporting and placing in position including shoring, strutting, forming protective bunds, cofferdams bailing out of water labour for mixing compacting, finishing and curing, working at depths, tools and plants and incidental charges such as sheeting, shoring and bracing and their subsequent removal etc., complete as per standard specification. TNDSS NO: 28 V, VI (S2) V,VI (S5A) VII	3.20	M3			Rupees Only	0.00
14	Providing granolithic floor finish of 25mm thickness with plain cement concrete 1:2:4 (One Cement, Two crushed sand (M-Sand) and Four aggregate) using 10 to 12mm gauge hard broken stone jelly including laying, finishing and the top rubbed smooth with power trawl, thread lining, curing etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers)	18.90	M2			Rupees Only	0.00
15	Supplying and fixing of 32 mm dia G.I. Pipe using good quality materials including all cost of materials and labour with all llead charges, loading and unloading charges etc complete complying with Standard specifications	348.00	Rm			Rupees Only	0.00

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16	Brick work in CM 1:5 (one cement & five sand) using II nd class ground moulded bricks of size 9"X43/8"X 2 3/4" including finishing, curing,etc., complete complying with standard specification	17.00	M3			Rupees Only	0.00
17	Special Plastering with cement mortar 1:3,10 mm ,thick in all floors including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications (S.I.306)	15.50	M2			Rupees Only	0.00
18	Plastering with cement mortar (1:5),12 mm ,thick in all floors including cost and conveyance of all materilas to site and labour charges etc,complete as per standard specifications (S.I.306)	147.50	M2			Rupees Only	0.00
19	Supplying and fixing over the floors best quality of scratch ceramic tiles of 30 c.m x 30c.m x 6mm size of approved colour laying with cement mortor 1:3 mix pointing the joints with colour pigments etc. Complete.	5.00	M2			Rupees Only	0.00
20	Dadooing walls with Glazed tiles of sizes 305mm X200mm X 6mm size of approved make and quality and colour 1 Set in cement mortar 1:2 (one cement ,two sand) over 10 mm base layer plastering and pointing with white cement neatly as directed.	29.00	M2			Rupees Only	0.00

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21	Supplying and fixing in position colour glazed EUROPEAN WATER CLOSET with 'P' or 'S' trap and double flapped seat cover, 12.50 litres capacity P.V.C. low level FLUSHING TANK including all internal fittings fixed on C.I. brackets, 12mm PVC or brass nipple, chromium plated brown headed stopcock, 12mm nylon connection with necessary teakwood plugs, clamps, screws to the portion coming with walls and floors, including dismantling masonry and redoing the same to the original condition.	1.00	No			Rupees Only	0.00
22	Supply and fixing in position 22" Indian type water closet with foot reset includes "P" (or) "S" trap including cost and conveyance of all materials to site and all labour charges etc., to complete as per std.,specifications.	2.00	No			Rupees Only	0.00
23	Solid PVC door shutters using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for	5.00	M2			Rupees Only	0.00
24	Supply and fixing of M.S Grills with Door and Windows with one coat of Red oxide with Primer including all costs such as welding, grinding and fabrication charges, cost and conveyance of all materials to site etc, complete as per standard specification.	114.50	KG			Rupees Only	0.00

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25	Wiring with 2 x 1.5 sqmm (22/0.3) PVC insulated unsheathed SC.Cu. conductor of 1100V grade in suitable PVC rigid Pipe on wall and ceiling with PVC accessories with TW switch box with 5A F.T. switch inflush with wall, covered with hylum sheet of 3mm thick with painting of suitable colour for open PVC light/fan point (For Electronic regulator) (5 points per coil). SD 22	1.00	NO			Rupees Only	0.00
26	Supply and fixing of single box type 4feet 36 W flu fitting complete with electronic ballast with TW round blocks on wall or ceiling with flu tube with PVC unsheathed Copper leads from terminals to the fitting. SD 87	1.00	No			Rupees Only	0.00
27	Painting two coats of newly plastered wall surface with ready mixed plastic emulsion paint of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification.	126.50	M2			Rupees Only	0.00

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28	Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the deparmental officers.	1.00	M3			Rupees Only	0.00
29	Finishing the top of roof with one course of machine pressed tiles of size 200 mm x 200 mm x 20 mm of approved quality in Cement Mortar 1:3 (One Cement add three sand) 12 mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete	11.00	M2			Rupees Only	0.00

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30	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick at required locations to a height of 900mm from finished floor level welded to 38mm dia Stainless Steel pipe post of 1.00mm thick as vertical at 900mm centre with 2 Nos. of 25mm dia intermediate horizontal stainless steel pipe of 1.60mm thick in between. The vertical pipe has to be welded to the 100 X 100 X 6mm MS base plate encased in the base concrete. The rate is inclusive of the charges for cutting, bending, welding, grinding, polishing, conveyance, electrical charges, etc. complete	221.00	rm			Rupees Only	0.00
31	Providing Bench with best approved quality fine polished Granite Stone Slabs of size 1200 x 600 of 18 / 20mm thick of Synthetic Grey, Paradise and similar varieties with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:	10.00	No			Rupees Only	0.00
32	6 Metre Length Single Bracket Pole with Base Plate(250 x 250 x 6mm)76.10mm OD x 3.65mm Thick x 6000mm Length Length in control box with foundation hardwares. etc complete as per standard specification. As per PWD SOR Page No :148	10.00	No			Rupees Only	0.00

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33	Supply and Fixing of 30 W LED Street Light Fittings as per PWD SOR P.No.69 etc complete as per standard specification. As per TWAD SOR Electrical items Sl.No : 17 a	10.00	No			Rupees Only	0.00
34	Supply and laying of 2 x 16 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good.Ele. Data 2021-22 SD -199	335.00	m			Rupees Only	0.00
35	Supply and fixing of following materials for CCTV accessories sa per departmental Officers					Rupees Only	0.00
a	Armoured CCTV Cable (SOR P.N-153)	316.00	Rm			Rupees Only	0.00
b	POE switch for CCTV IP (4Ports) (SOR P.N-159)	4.00	No			Rupees Only	0.00
c	Hard Disk (SOR P.N-159)	1.00	No			Rupees Only	0.00
d	Network Video Recording 4 channel (SOR P.N-159)	1.00	No			Rupees Only	0.00
e	CCTV Camera	4.00	No			Rupees Only	0.00
Total in Figures							0.00
Total in Words							