

ISSUED TO THIRU :

Executive officer

TENDER SCHEDULE

Name of Work : SUPPLYING AND FIXING CHAINLINK FENCING WITH PRE-CAST POST TO TEMPLE ENTRANCE NORTH,SOUTH & SWAMISANNATHI REAR SIDE
NANDHAVANAM AT ARULMIGU SHREE KOLAVALLI RAMAR THIRUKKOIL, THIRUVALLIANGUDI, THIRUVIDAIMARUTHUR TK, THANJAVUR DISTICT.

EMD : Rs.17,750/- Date of tender : 20.04.2022 Contract value: Rs.17,71,806/- (Including GST 12%) Time of completion : 3 months

Sl. No	Qty	Description of Work	TNBP No.	Unit in words	Rate in figures	RATE IN WORDS	AMOUNT
1	104.00 cum	Earthwork excavation for foundation in all soils except hard rock requiring blasting to a full depth with intial lead of 10 m and lift of 2 m etc., complete		one cubic meter			
2	2.00 cum	Supplying and filling in foundation in basement with filling Sand in layars of 150mm thickness well watered rammed and consolidated complying with relevant std specification including cost of supplying filling Sand.		one cubic meter			
3	1.00 Cum	Cement concrete 1:5:10 (One of cement five of Sand and ten of HBG jelly)for foundation using 40mm gauge HBG jelly inclusive of shoring strutting and baling out water where ever necessary ramming curing etc.,complete in respects complying with relevant Std, Specification and as directed by the Dept, Officers.		one cubic meter			
4		Providing and laying in position, Standardised Concrete Mix M-20 Grade in accordance with IS:456-2000, using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m³ and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 cu.m.) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 cu.m.) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m.) 7670 kg. of sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards.(No separate payment will be made by the Department for the excess usage of materials).					

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a	5.00 Cum	For Foundation		one cubic meter			
b	2.00 Cum	For Superstructure		one cubic meter			
5		Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificaliton. (Payment for centering shall be given after the concrete is laid)					
a	19.00 Sqm	Grade beam		one Square meter			
b	15.00 Sqm	Column		one Square meter			
6	16.00 Sqm	Special plastering for R.C.C. slab beam and sunshades with cement mortar 1:3, 10mm thick including cost and conveyence of all materials and labour charges, curing etc. complete complying with standard specifications.		one Square meter			
7	185.00 Sqm	White washing two coats with best shall lime including cost and conveyence of all materials and all labour charges etc. complete complying with standard specifications.		one Square meter			
8	185.00 Sqm	Painting two coat with approved cement paint over the cement plastered wall surface, ceiling and other new surface including clearing preparing the surface curing ete complete as per specification.		one Square meter			

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9	183.00 Nos	Pre casting and placing of RCC post for fencing with a height of 8 feet & top area 10cms x 10 cm, bottom area 15cms x 15 cms including casting,centering,curing and fixing in position and conveyance of all materials and all labour charges,etc,. Complete with standard specifications. and complete in respects complying with relevant std.specifications and as directed by the Dept, officers. for 1 post.		one Number			
10	780.00 Sqm	Providing chain link fencing using 50mm x 50mm size opening and 10 GGI.Chain link placed in vertical position as directed and tied in the RCC fencing posts suitably above ground level continously with out break as directed with necessary bolts and nut as required etc., etc., complete. the rate is inclusive of cost of chain link and should be of good quality.		one Square meter			
11	0.37 Mt	Supplying and fabricating and placing in possition MS grills for reinforcement for all RCC works, including cost of rods,straghtening,bending,cracking tying grills,with 18 guage galvanized binding wire and placing the grill in position etc., completeand as directed.		one Metric Ton			
12	746.00 Kg	Supplying and fixing mild steel grill Gate including cost conveyance of all materials and fixing in position including priming coat etc complete with standard specifications.		one Kilo gram			
13	24.00 Sqm	Painting new iron works such as gate, steel doors windows ventilators with two coats of approved quality and color of synthetic enamel paint over the existing red oxide primer in all floor etc, complete complying with standard specifications.		one Square meter			

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14	2.00 Nos	Providing and fixing of digitally printed Retro - reflectrozed sign boards of size 2.40 mts x 1.20 mts using UV inject printer made out of cube corner micro prismatic grade sheeting of type XI standards of IRC - 67 2012 and ASTM D 4956 - 09 Specification ,digitally printed using UV inject printer UVIJ for traffic colour images/text and laminated with clear elctro cuttablefilm and applied toproperly prepared sign substrates,fixed over 2mm thick Aluminium sheet back supporting frame of size 32mm x 32mm x 5mm MS angle and supported on 2 nos of 80 NB (nominal bore) MS pipes of 3.20mm thick with an overall height covering from the top of board to bottom of foundation.The clear height of posts from the ground level to the bottom of sign boards hall not be less than 2.20 mts and the depth below the ground level shall not be less than 2mt.The sign should be painted as per IRC 67 - 2012 and firmly fixed to the ground by means of proper designed foundation with cement concrete M15 grade of size 450cm x 450cm x 600cm including cost and conveyence of all materials to site equipment machinery labour with lead and lift loading charges and fixing in position satisfactory completion of the work as directed by the Engineer etc.,The micro prismatic grade retro reflector sheet should have the minimum reflection value as per the table 6.9 of IRC 67 - 2012.The retro reflecting sheet will be covered under 10 years warranty issued for field performance as per IRC 67 - 2012 and a certified copy of 3 years out door exposer report shall be obtained.The warranty shall be inclusive of digital printed images/Logos/text/Legends and their bonding to the retro reflecting sheet		One Number			
15	45.00 Rm	DRILLING of borewells any where in Tailnadu including transportation from one place to another within Tamilnadu in alluvial soil or sedimentary strata of clay and sand or sand, stone, shale, pebbles boulders etc. By first taking a pilot bore of 140mm/150mm dia and then enlarging to required dia by direct or reverse rotary mud, and circulation method, using Contractor's rigs, fuel, labour, drilling bentonite mud and water required for drilling at site. Site will be shown by the TWAD Board officers including construction of mud pit. (Only Calyx drills are to be used).		One Running Meter			
16	45.00 Rm	Reaming from 140/150 mm dia pilot bore to 300mm dia bore		One Running Meter			
17	45.00 Rm	Labour charges for inserting PVC casing pipes assembly (with slots or without slots) in the drilled hole including jointing the pipes with PVC couplers with cement paste etc. complete.		One Running Meter			

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18	45.00 Rm	Supply and Delivery of unplasticised for plain PVC Casing pipes for the following dia in 3m length with screwed and Socket ends and centering guides for every 15m length of pipes as per IS 12818/2010 and as amended from time to time to suit deep borewells upto 80m to 250m depth (CM) for delivery at site within ISI marking including transportation charges and etc complete. DN 200mm PVC plain casing pipes.		One Running Meter			
19	45.00 Rm	Supply and Delivery of unplasticised for ribbed screen PVC Casing pipes for the following dia in 3m length with screwed and socket ends and centering guide for every 15m length of pipes as per IS 12818/2010 and as amended from time to time to suit deep borewells for delivery at site withing ISI marking including transportation charges and etc complete. DN 200mm Ribbed screen pipe.		One Running Meter			
20	8.00 Hr	Charges for developing the bore wells with Air compressor of 300 CFM capacity (minimum 8 hours) including transportation labour and fuel charges for compressor as directed by TWAD Board officers and conducting yield test by "V" Notch method.		One Hour			
21	1.00 No	Supply and Delivery and fixing of DN 200mm PVC end plug suitable for the above pipes with ISI marking etc. complete.		One Number			
22	1.00 No	Supply an Delivery and fixing of DN 400mm MS Cover of size 1cm x 3mm suitable for the above pipes with ISI marking etc complete.		One Number			
23	5.00 No	Hire charges for cleaning area using JCB		One Number			

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24	387.00 Rm	Supply and Delivery fixing of 80mm UPVC COLUMN Pipes for Submersible motor suitable for the above pipes with ISI marking etc complete.		One Running Meter			
25	1.00 No	Supply and Delivery fixing of 10.0 HP Submersible pump suitable for the above pipes with ISI marking etc complete.		One Number			
26	1.00 No	THREE PHASE PANEL BOARD STAR- DELTA WITH TWO LEVEL GUARD AND AUTO START Supply and delivery of Star-Delta starter conforming to IS13947 and IEC60947-1 suitable KW rating for operation in AC/Three Phase/50HZ(+/-5%) and 415V(+/-10%) including pole magnetic contactor with under voltage release-3nos., CT operated Ammeter (65mm dia) with suppressed scale, Voltmeter (65mm dia), Volt meter select or switch, Miniature circuit breaker, Thermal Over load relay, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, wiring with 1sq.mm/4sq.mm copper pvc insulated cable, powder coated vermin proof box, including the capacitor		One Number			
27	40.00 Rm	Supply and fixing of Nylon Rope for Bore well including labour charges suitable for the above submersible pump with ISI marking etc complete.		One Running Meter			
28	50.00 Rm	12.1 PVC INSULATED AND SHEATHED 3 CORE FLAT TYPE COPPER CABLE CONFORMING TO IS 694/1990		One Running Meter			

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29	1.00 No	Labour charges for the erection of submersible pumpset in borewell/openwell including fixing and jointing submersible cable with proper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three pilot(indicating) lamps capacitor single phasing preventor,water level guard and laying and jointing the cables and twin earthing as per IE rules etc., complete and testing the pumpset and trail run for 10 days.		One Number			
30	1.00 Set	5.1b G.I. SPECIALS AS PER IS 1239/PART II Clamp set		One Set			
31	10.00 No	5.2 G.M GATE VALVES AS PER IS BS 5154 and related IS Specifications		One Number			
		Sub Total					
		GST 12%					
		Total Amount					

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