

SCHEDULE - A

Name of Work :

HRCE Department, Salem

INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	520 M ³ -Five hundred and twenty cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	80 M ³ -Eighty cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	1190 M ³ -One thousand one hundred and ninety cubic metre only-	Supplying and filling in foundation and basement with conveyed gravel (fit for filling) conveyed from the specified quarry in layers of not more than 15 cm thick watered rammed and well consolidated etc., complete complying with standard specifications.	24 & 25			1 M ³ -One cubic metre-		
4	180 M ³ -One hundred and eighty cubic metre only-	Refilling with excavated earth other than crushed stone sand and depositing the earth as shown by the departmental officers in layers of not more than 15 cm thick well rammed, watered and consolidated etc. complete complying with standard specification	24 & 25			1 M ³ -One cubic metre-		
5	100 M ³ -One hundred cubic metre Only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		
6		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/ms 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	30 V, VI, (SS) VII & 13					

1	2	3	4	5	Rs.	6	7	Rs.
6	contd.,	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 crushed stone 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).						
a	130 M ³ -One hundred and thirty cubic metre only-	For Foundation and Basement				1 M ³ -One cubic metre-		
b	140 M ³ -One hundred and forty cubic metre only-	For Super Structure in Ground Floor				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
6.c	135 M ³ -One hundred and thirty five cubic metre only-	For Super Structure in First Floor				1 M ³ -One cubic metre-		
d	15 M ³ -Fifteen cubic metre only-	For Super Structure in Second Floor				1 M ³ -One cubic metre-		
7	Supplying and Erecting, Steel Centering for sides and soffits including supports and strutting upto 3.29m height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90cmX60cm and BG 10 gauge stiffened with welded mild steel angles of size 25mmX25mmX3mm for boarding laid over silver oak joists of size 10cmX6.50cm spaced at about 90cm centre to centre and supported by Casurina props of 10cm to 13cm dia spaced at not less than 75cm centre to centre at suitable intervals etc., complete in all floors as directed by the departmental officers complying with standard specifications. The payment for centering shall be made only after the concrete laid. The retrieved materials should be taken back by the contractor.		30, 44H					

1	2	3	4	5	Rs.	6	7	Rs.
7.a	774 M ² -Seven hundred and seventy four square metre only-	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 M ² -One square metre-		
b	2015 M ² -Two thousand and fifteen square metre only-	For plane surfaces such as RCC floor slab , roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				1 M ² -One square metre-		
c	340 M ² -Three hundred and forty square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
7	55.29 MT -Fifty five decimal two nine Metric tonne only-	Supplying, fabricating and placing in position Mild steel or Ribbed tor steel in all size for all RCC works as per the design given including cost of steel and binding wire in all floors etc., complete complying with standard specifications. (The contratctor will have to make his own arrangements for the supply of MS plain rod / RTS rod and binding wire)	86, 86A & 87			1 MT -One Metric tonne-		
8		Brickwork in cement mortar 1:5 (One cement and five M.sand) using best quality IInd class ground moulded chamber burnt bricks of size 9"x4³/₈"x2³/₄" for the following including curing etc., complete complying with standard specifications.	31 & Similar to 31C V, VI (SS) VII					
a	100 M ³ -One hundred cubic metre only-	Foundation and basement				1 M ³ (One Cubic Metre)		
b	170 M ³ -One hudnred and seventy cubic metre only-	Super Structure in Ground Floor				1 M ³ (One Cubic Metre)		
c	185 M ³ -One hundred and eighty five cubic metre only-	For Super Structure in First Floor				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
9								
d	50 M ³ -Fifty cubic metre only-	For Super Structure in Second Floor				1 M ³ -One cubic metre-		
10		Brick partition wall using best quality IInd class Ground moulded chamber burnt bricks of size 9"x4 ³ / ₈ "x2 ³ / ₄ " in Cement Mortar 1:3 - One Cement and three M.sand - including supplying and fixing hoop iron reinforcement if considered necessary by the departmental officers as directed etc., complete complying with standard specifications (The hoop reinforcement will be measured & paid separately)	28 & 39H					
a	78.80 M ² -Seventy eight deciaml eight zero square metre only-	For Super Structure in Ground Floor in 11.50cm thickness.				1 M ² -One square metre-		
b	90 M ² -Ninety square metre only-	For Super Structure in First Floor in 11.50cm thickness.				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
11	5450 M ² -Five thousand four hundred and fifty square metre only-	Plastering with cement mortar 1:5 (One cement and five crushed stone sand) 12mm thick in all floors complying with standard specifications and as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
12	2800 M ² -Two thousand and eight hundred square metre only-	Special ceiling plastering and finishing the exposed surfaces of RCC work such as RCC slabs, sunshades, facia, canopy slab, staircase. Waist slab landing slab etc., with cement mortar 1:3 (One cement and three crushed stone sand) 10mm thick including hacking and providing necessary cement mortar nosing, beading etc., wherever necessary and as directed with the same cement mortar etc., complete complying with standard specifications as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
13	50 M ³ -Fifty cubic metre only-	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 departmental officers.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
14	610 M ² -Six hundred and ten square metre only-	Finishing the top of roof with one course of machine pressed tiles of size 200mm x 200mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm 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 complying with standard specification and as directed by the departmental officers				1 M ² -One square metre-		
15	0.13 M ³ -Zero decimal one three cubic metre only-	Supply and fixing of Teak wood Frames 127x76mm size as per standard specifications.				1 M ³ -One cubic metre-		
16	50 M ³ -Fifty cubic metre only-	Supply and fixing of Country wood Frames 127x76mm size as per standard specifications.				1 M ³ -One cubic metre-		
17	9.45 M ² -Nine decimal four five square metre only-	Supplying and fixing the following type of Teak Wood door shutter with frame, including cost of wind appliance, furniture fittings etc., complete, fittings, labour charges for fixing furniture.				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
18	70 M ² -Seventy square metre only-	Supplying and fixing the following type of Country Wood door shutter with frame, including cost of wind appliance, furniture fittings etc., complete, fittings, labour charges for fixing furniture.				1 M ² -One square metre-		
19	26.85 M ² -Twenty six decimal eight five square metre only-	Supplying and fixing Solid PVC Door shutters using 19 Gauge 19mm MS Sq. tubes for styles and outer frames. 15mm MS Sq. 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 panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm X 30mm. The over all size of top rail, lock rail and bottom rail shall be 75mmX 30mm. The over all size of frames shall be 50mm X 45mm, with suitable rebate for housing the shutter.				1 M ² -One Square Metre-		
20	58 M ² -Fifty eight square metre only-	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
20	contd.,	4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work						
21	864 Kg -Eight hundred and sixty four kilogram only-	Supplying and Fixing M.S grill to opening corridor sides, ladder Entrance gate and Name board angles etc., Using necessary M.S flat for inner members and outer members which should be fixed to window members frames as directed by departmental officers inclusive of cost of providing one coat of best quality red oxide primer. -The design of M.S. grill should be got approved from departmental officers before use on works.-	74, 85 & 86			1 Kg -One kilo gram-		
22	9 M ² -Nine square metre only-	UPVC Ventilator Specification: Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm.				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
22	contd.,	The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work						
23	1005 M ² -One thousand and five square metre only-	Paving the floor with best quality Double charged Verified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				1 M ² -One square metre-		
24	118 M ² -One hundred and eighteen square metre only-	Flooring with following Self design colour ceramic tiles of size 305x305x6mm laid over 20 mm thick cement mortar 1:3 (One Cement and Three Crushed stone sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3 Kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
25	360 M ² -Three hundred and sixty square metre only-	Dadooling walls with Colour Printed design colour glazed tiles with borders, with size of 300mm x 450mm x 8mm and above set in Cement Mortar 1:2 (One Cement and Two crushed stone sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors , curing etc., complying with standard specification and as directed by the departmental officers .	,			1 M ² -One square metre-		
26	125 M ² -One hundred and twenty five square metre only-	Paving the floor with pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three crushed stone sand) 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	,			1 M ² -One square metre-		
27	2.20 M ³ -Two decimal two zero cubic metre only-	Brick masonry in Cement Mortar 1:1:4 , using best quality II class Ground moulded bricks size 9" x 4 ³ / ₈ " x 2 ³ / ₄ " including all vaarivargams, moulds, sthambams, mukhapathramsa, koodu, nasi and all ornamental birck work complete, all pancharams, agarais, karnrakoodus, etc., forming core wlls of Rajagopurams/ vimanams				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
27	contd.,	complete including cost and conveyance of all materials including cement, all the labour charges including marking pathies shaping of the bricks, lifting of all the materials to required hts curing and all extra for working in hts etc.,						
28	15 M ² -Fifteen square metre only-	Providing vargapoochu over the core walls of vimanam/ gopuram with CM 1:1:4 complete including shaping the mukapathiram, maha nasi, koou all ornamaental works to proper shape by embedding broken bricks or shaped chiseled bricks rough plastering with cement mortar 1:4 and finishing with final ornamental plastering and nayam threervai including cost and conveyance of all matrials labour therefore , lifting of materials all working in heights curing with water etc. compltete including all extra for folding and including clearing the debris from vimanam/ gopuram.				1 M ² -One square metre-		
29	8265 M ² -Eight thousand two hundred and sixty five square metre only-	Painting two coats of newly plastered wall surface with water based exterior 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.	65A			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
30	58 M ² -Fifty eight square metre only-	Painting two coats of new iron works such as steel doors, windows, ventilators, window bar balustrades etc., with best approved first quality synthetic enamel paint of approved colour over one coat of red oxide primer in all floors. The rate is inclusive of all materials, brushes and scaffolding charges etc., complete complying with standard specification -Paint should be got approved by the Executive Engineer before use on work-	66 & 66A			1 M ² -One square metre-		
31	20 M ² -Fifty eight square metre only-	Polishing the teak wood door with two coats of best French (Lac) polish with approved quality and brand over a coat of bee's waxing including preparing the wooden surface to receive polishing, etc., complete complying as per the standard specifications. (The make, quality and colour of french polish, bees wax should be got approved by the Executive Engineer before use on works.)	66 & 66A			1 M ² -One square metre-		
32	142.30 M ² -One hundred and forty two decimal three zero square metre only-	Painting new wood work with two finishing coats of synthetic enamel ready mixed paint of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)	65A			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
33	11 Nos -Eleven numbers only-	Supplying and fixing in position white glazed European Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm white PVC flush hand using Indian adopter joint including all internal fittings..... such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition etc. complete complying with standard specifications. (The EWC and flushing tank wiht all accessories should be got approved by the Executive Engineer before use on works)	Special			1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
34	4 Nos -Four numbers only-	Supplying and fixing in position Indian Water Closet (Oriya type) of size 580 x 440mm white glazed earthenware of approved quality and brand with "P" or "S" trap conforming to BIS with sand cushion and forming flooring around the closet using 40mm broken brick jelly in lime concrete 1:2:5 (One lime, Two sand and Five brick jelly) 100mm thick and finishing the top to the required slope and including giving necessary connection to PVC soil pipes (including the cost of 100mm dia PVC pipe for a length of 600mm) by dismantling brick masonry wall / reinforced cement concrete roof / floor slab and making good the dismantled portion to the original condition with leakages etc., complete complying with standard specifications and as directed by the departmental officers. (The water closet should be got approved by the Executive Engineer before use on works).				1 No -Each-		
35	10 Nos -Ten numbers only-	Supply and fixing in position of best Indian make white / colour glazed earthenware lipped mouth flat back urinal of best quality and approved make of size 430mm x 260mm x 350mm with GI pipe, 32mm dia bell mouth PVC connection and waste pipe, 15mm dia GI pipe of required length, 15mm dia GM wheel valve, 15mm dia brass nipple 2 Nos., and fixing the urinals in position with necessary TW plugs, clamps, screws, etc., including dismantling masonry and re-doing the same to the original condition, etc., including painting the pipe with two coats of best quality approved synthetic enamel				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
35	contd.,	paint over one coat of red oxide primer and checked without any leakage etc. complete complying with standard specifications and as directed by the departmental officers. (The urinal should be got approved by the Executive Engineer before use on works.)						
36	12 Nos -Twelve numbers only-	Supplying and fixing in position best quality and approved make White/colour glazed earthen ware wash hand basin of size 550 x 400 mm (22"x16") with a pair of cast iron brackets, 15mm. dia C.P.Pillar Tap 32mm dia "B" Class GI waste pipe and 15mm dia GM wheel Valve and 15mm dia brass nipple 32mm. dia C.P.Brass waste coupling with rubber plug and chain, 15mm dia nylon connection etc. and including fixing the wash hand basin in position, including cost of teakwood plugs, screws, rubber washers, including cost of all other fixing accessories white lead and giving water supply connection, testing for leakages etc. complete complying with standard specification and as directed by the departmental officers. (Wash hand basins should be got approved by the Executive Engineer before use).	102 & 103			1 No -Each-		
37	3 Nos -Three numbers only-	Supplying and fixing in position 150 x 100mm "P" or "S" stoneware gully trap 'A' grade with CI double gratings of size 150 x 150mm and 230 x 230mm at bottom and top respectively with necessary earth work excavation laid over a bed of brick jelly cement concrete 1:3:6 (One cement, Three sand and Six broken brick jelly) 150mm thick using 40mm size broken brick jelly including				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
37	contd.,	necessary brick work and plastering including dismantling masonry wherever necessary and re-doing the damaged portions to the original conditions using cement concrete 1:3:6 using 20mm stone jelly for fixing the gully trap and giving connections to stoneware sewer line etc., complete complying with standard specifications. [Earth work excavation, brick work, plastering shall be measured and paid separately]. The stoneware gully trap should be got approved by the Executive Engineer before use on works.						
38	22 Nos -Twenty two numbers only-	Supplying and fixing position CI Nahani Trap / Floor Trap of the 100 x 75mm with pvc gratings sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the PVC pipes, etc., complete complying with standard specification.	102 &103				1 No -Each-	
39		Supplying and fixing in position 15mm dia brass CP screw down tap / Pillar tap (heavy duty) of approved make conforming to BIS specifications and quality including cost of shellac, thread, etc., complete complying with standard specification and including cutting and threading wherever necessary. (Taps should be got approved by the Executive Engineer before use on the works)	97 & 102					

1	2	3	4	5	Rs.	6	7	Rs.
39.a	26 Nos -Twenty six numbers only-	Pillar tap				1 No -Each-		
b	20 Nos -Twenty numbers only-	Swan Neck tap				1 No -Each-		
40	11 Nos -Eleven numbers only-	Supplying and fixing in sposition best approved quality Special C.P.Towel rail 600mm length 20mm.diametre with brackets of same material including cost of teak wood plugs and etc.complete complying with standard specifications.(The towel rail should be got approved by the Executive Engineer before use on works.)				1 No -Each-		
41	4 Rm -Four running metre only-	Supplying and fixing GI pipe handrails for handicapped persons using 50mm dia GI pipe double handrail at a height of 800mm and 900mm from floor level with 25mm thick MS square rods as balusters embedded in the concrete and welded with pipe at 60cm centre to centre as shown in CA Job No. 9123 / 1 including cutting, welding, bending and fixing charges and applying one coat of red oxide primer for MS members as directed by the departmental officers				1 Rm -One running metre-		
42	20 Rm -Twenty running metre only-	Manufacturing, Supplying and Fixing of Stainless Steel Hand rails for staircase near wet riser using 50mm dia 304L Grade Stainless Steel pipe of 1.60mm thick will be provided with tubular supports made of 304L Grade Stainless Steel pipe of 25mm dia of 1.60mm thick welded to the railing.						

1	2	3	4	5	Rs.	6	7	Rs.
42	contd.,	The supports will be grouted into the wall and provided with 93.00mm thick Stainless Steel circular base plate of 304 Grade. The rate shall included for grouting into concrete with necessary supporting arrangements the hand rail in floor polishing buffing, bonding, cutting, grinding, conveyance, welding charges, electrical charges, etc. complete (as per PWD SoR 2020-21 item no.240 under rate for other construction materials)						
43	11 Nos -Eleven numbers only-	Supplying and fixing in position Indian make bevelled edge mirror of approved quality and brand PVC / Fibre Glass framed 600 x 450 x 5.5mm thick mirror, shelf type with hard board backing of approved colour fixed with brass screws, rawl plug, etc., complete complying with standard specification. (The mirror should be got approved by the Executive Engineer before use on woks)	Special			1 No	-Each-	
44	110 M ² -One hundred and ten square metre only-	Casting and fixing of reinforced cement concrete pre-cast slab of the following thickness in cement concrete 1:2:4 (One cement, two crushed stone sand and four hard broken stone jelly) excluding the cost of reinforcement grill in position but including moulding charges, casting of slab, finishing, curing, and fixing the precast slab in position, in cub boards, record racks, kitchen, platforms etc., complete complying with standard specification.-50 mm thick using 20 mm size machine crushed hard granite stone jelly.	28,30 V, VI (S2) S.VI(5- A) VII			1 M ² -One Square Metre-		

1	2	3	4	5	Rs.	6	7	Rs.
45	1 Set -One Set only-	<p>Supplying and erecting in position of 250 liters capacity Industrial Model Reverse Osmosis Water-cum-Purifier to deliver Potable Water with World Health Organisation (WHO) Standards with following accessories.</p> <p>(a) MS Skid - 1 No. (b) Media 11054 No. Vessel with 20 nb Multiport Valve (with Media Pubble and Fine Sand and Activated Carbon Filling) set (c) Feed Pump 0.50 HP – 1 No. (d) Vertical Pump 2-9, 2.00 HP / Single Phase – 1 No. (e) Membrane 40 x 40 filmtech (or) equilaents /Osmonic (USA) - 1 No. and Membrane Pressure Vessel 40 x 40 -1 No. & Pressure Gauge - 2 Nos. (f) Flow Meter - 1 No. 20" Filter with Housing - 1 No. Low Pressure Switch - 1 No., Level Switch - 1 No. & Necessary CPVC Pipes and Fittings.</p> <p>The system shall be provide with Two Panel Control System with necessary Stainless Valves and Fittings and Float Control etc. The rate should be inclusive of all civil works, wherever necessary to install the System in position and intact</p>				1 Set -Set-		
45	120 M ² -One hundred and twenty square metre only-	<p>Providing granolithic floor finish of the 40 mm thickness with plain cement concrete 1:2:4 (One Cement, Two crushed stone sand and Four aggregate) using 10 to 12mm gauge hard broken stone jelly including laying, finishing and the top rubbed smooth with</p>				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
45	contd.,	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)						
46	10 Nos -Ten numbers only-	Supplying and fixing of Stored pressure ABC (Mono Ammonium phosphate) powder type fire Extinguisher of 6kg capacity as per IS:15683 with pressure gauge, discharge hose & control nozzle, wall mounting bracket, safety clip etc., including conveyance, all incidental charges, necessary scaffolding and re-doing the dismantled portions to its original condition wherever found necessary etc, complete as per standard specification and as directed by the Departmental officers. Mke: Excellent/ Safety first/Equivalent.				1 No -Each-		
					Net Total			
					Add GST 12%			
					Gross Total			

Total Number of Items 46 - (Forty six) only

SCHEDULE - A

Name of Work :

HRCE Department, Salem

PROVIDING WATER SUPPLY AND SANITARY ARRANGEMENTS FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	185 Rm -One hundred and eighty five running metre only-	Drilling of 150 mm (6" dia) bore wells in hard rock areas to the required depth as directed by the departmental officers including transportation charges for the rigs and supporting vehicles from one place to another place (the casing pipe has to be supplied by the contractor at the rates noted in a separate item)				1 Rm -One running metre-		
2	20 Rm -Twenty running metre only-	Supply and erection of PVC casing pipe 150mm dia. including fixing with Bore cap using M.S. Flat of size 1 cm x 3 mm and M.S.sheet on top with bolting arrangements for securing the cap in position including all labour charges etc., complete				1 Rm -One running metre-		
3	185 Rm -One hundred and eighty five running metre only-	Supplying, laying and joining 50mm dia HDPE pipes for submersible pump in Bore well Class-5(having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cost and conveyance of materials and all labour charges etc., complete				1 Rm -One running metre-		

1	2	3	4	5	Rs.	6	7	Rs.
4	1 No -One number only-	Supply,delivery and erection of clear water vertical wet type 7.50 HP submersible pumpset (motor and compressor) (assuming duty of 100 lpm x 100m) suitable for 150mm dia borewell conforming to IS 8034/2002 as amended thereafter and BEE 3 Star Rated capable of discharging noted LPM against head of water column due to all causes. The pump shall be with stainless steel shaft and dynamically balanced bronze or Cast SS impeller, brass screws and CI FG 200 grade pump bowl/diffuser with ISI mark. The pump shall be directly coupled to a continuous rated two pole suitable wet type vertical squirrel cage induction motor as per IS9283 /1995 as amended thereafter, suitable for operation in AC three phase 415 V+/- 10 %, 50 HZ +/- 5 % including all labour charges etc., complete				1 No -Each-		
5		Supplying, laying and jointing PVC pipes (having working pressure 10 kg. / sq.cm) of approved quality and best variety conforming to BIS of the following dia including cutting, threading and fixing PVC specials using PVC adhesives (but excluding cost of such specials) and fixing into wall with teak wood plugs, PVC clamps and screws making holes on the wall (or) drilling holes in the roof and making good the dismantled portion to original condition with necessary brick work /						

1	2	3	4	5	Rs.	6	7	Rs.
5	contd.,	cement concrete and plastering neatly wherever necessary with necessary scaffolding charges, etc., complete complying with standard specifications. The PVC pipes shall be got approved by Executive Engineer before use on works.-Internal water supply						
a	75 Rm -Seventy five running metre only-	a) 50mm from Bore well to Sump				1 Rm -One running metre-		
b	50 Rm -Fifty running metre only-	b) 50mm from Sump to tank				1 Rm -One running metre-		
c	150 Rm -One hundred and fifty running metre only-	c) 25mm from delivery line to tap main				1 Rm -One running metre-		
d	20 Rm -Twenty running metre only-	d) 15mm for connecting tap line and tap				1 Rm -One running metre-		

1	2	3	4	5	Rs.	6	7	Rs.
6		Supplying and fixing in position of the following PVC specials best approved quality conforming to ISS and providing leak proof joints with PVC adhesive etc., including fixing to walls with necessary teak wood plugs screws etc., and giving connections to the PVC pipe dismantling the brick masonry RCC floor or roof slab and redoing the disturbed portion to original conditions etc., complete complying with standard specifications. -The PVC specials should be got approved from the Executive Engineer before use on works -.	Special IX(S2) 9.33 & Similar to 97, 102					
a	7 Nos -Seven numbers only-	a) 50mm PVC Bend				1 No -Each-		
b	7 Nos -Seven numbers only-	b)50mm PVC Coupling				1 No -Each-		
c	4 Nos -Four numbers only-	c) 50mm PVC Tee				1 No -Each-		
d	10 Nos -Ten numbers only-	d) 25mm PVC Coupling				1 No -Each-		
e	10 Nos -Ten numbers only-	e) 25mm PVC elbow				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
6								
f	5 Nos -Five numbers only-	f) 25x20 PVC reducer				1 No -Each-		
g	24 Nos -Twenty four numbers only-	9) 20x15 PVC reducer				1 No -Each-		
h	24 Nos -Twenty four numbers only-	h) 25x20 PVC reducer tee				1 No -Each-		
7	10 Nos -Ten numbers only-	Supplying UPVC Specials (with working pressure 10 kg. / sq.cm.) in water supply arrangements (both in internal and external water supply arrangements, Since the labour for cutting, threading / pasting, sundries have already been included under pipe line item of works, no separate provision for fixing UPVC specials needs to be allowed-25mm UPVC ball valve				1 No -Each-		
8		Supplying and fixing in position " PVC Soil waste pipes " of pressure - 6kg/cm ² of the following best approved quality and make conforming to ISS of the following diameter and providing leak proof joints with cement, spun yarn etc., including fixing the wall with necessary teak wood plugs, brass screws, mild steel clamps etc., and giving connections to all sanitary fittings including dismantling brick masonry, RCC floor or roof						

1	2	3	4	5	Rs.	6	7	Rs.
8	contd.,	slab etc., wherever necessary and redoing the disturbed portion to the original condition including painting the cast iron pipes and fitting with two coats of anti-corrosive paint etc., complete complying with standard specifications- Below Ground Level						
a	90 Rm -Ninety running metre only-	160mm dia PVC Pipe				1 Rm -One running metre-		
b	50 Rm -Fifty running metre only-	75mm dia PVC Pipe				1 Rm -One running metre-		
9		Supplying and fixing in position of the following PVC Special best approved quality conforming to ISS and providing leak proof joints with PVC adhesive etc., including fixing to walls with necessary teak wood plugs screws etc., and giving connections to the PVC pipe dismantling the brick masonry RCC floor or roof slab and redoing the disturbed portion to original conditions etc., complete complying with standard specifications. -The PVC specials should be got approved from the Executive Engineer before use on works -.	IX(S2) 9.33 & Similar to 97, 102					
a	10 Nos -Ten numbers only-	a) 160mm PVC Bend				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
9								
b	6 Nos -Six numbers only-	b) 160mm PVC Door Elbow				1 No -Each-		
c	4 Nos -Four numbers only-	c) 160mm PVC double 'Y' bend				1 No -Each-		
d	10 Nos -Ten numbers only-	d) 160mm PVC Tee with door				1 No -Each-		
e	10 Nos -Ten numbers only-	e) 75mm PVC plain Bend				1 No -Each-		
f	10 Nos -Ten numbers only-	f) 75mm PVC Door Elbow				1 No -Each-		
g	10 Nos -Ten numbers only-	g) 75mm PVC Tee with door				1 No -Each-		
10	160 Rm -One hundred and sixty running metre only-	Supplying and fixing in position best approved ISI quality 110mm dia PVC Rainwater Downfall pipes of following dia having working pressure of 4kg/cm2 including cost of PVC pipe, with necessary shoes, bends, nails, teakwood plugs, screws etc, and fixing of	107			1 Rm -One running metre-		

1	2	3	4	5	Rs.	6	7	Rs.
10	contd,	cast iron gratings of required dia metre and special clamps at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cost of removable cast iron gratings. The size of teak wood plugs to be used shall be 150mm x 25mm in front and 200mm x 75mm in rear and all other sides to a depth of 100mm. The PVC pipe shall be fixed with teakwood plugs by means of "U" Clamps using brass screws. Special types of "U" clamp at the centre of the pipeline shall be fixed in addition to those for more than 3 metre pipe length complying with standard specifications.-One floor						
11	4 Nos -Four numbers only-	Supplying and fixing PVC ventilating shaft of 110mm dia (having working pressure 4 kg. / sq.cm) with 3 metre height including cost of PVC cylindrical cowl of best approved quality etc., complete complying with standard specifications and as directed by the departmental officers	Special			1 No	- Each -	
12	1 No -One number only-	Supplying and fixing in position best quality and approved variety with ISI mark 40mm dia -Gun Metal Gate Valve / Wheel Value of the following dia including necessary charges for cutting and threading of G.I. Pipes for jointing the gate valve in position etc., complete complying with standard specification (Gun Metal Gate Valve / Wheel Valve should be got approved by Executive Engineer before use on work).	Similar to 97 & 102			1 No	- Each -	

1	2	3	4	5	Rs.	6	7	Rs.
13	3 Nos -Three numbers only-	Supplying and fixing in position CI manhole covers with Special CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete complying with standard specifications				1 No - Each -		
					Net Total			
					Add GST 12%			
					Gross Total			

Total Number of Items 13 - (Thirteen) only

SCHEDULE - A

Name of Work :

HRCE Department, Salem

PROVIDING INTERNAL AND EXTERNAL ELECTRIFICATION TO THE JOINT COMMISSIONER [HR & EE] OFFICE BUILDING OFFICE BUILDING FOR SALEM REGION AT NETHIMEDU IN SALEM DISTRICT

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	187 pts -One hundred and eighty seven points only-	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with modular metal box and 6A FT modular switch with front cover plate in flush with wall and making good of the concealed portion with suitable colour for PVC concealed modular light / fan Point (for electronic regulator) (Modular metal flush box, modular switch, cover plates should be (Higher end crabtree / legrand / Hager / Equivalent) (5 points per coil) (DATA 1)				1 Pt -One point-		
2	36 pts -Thirty six points only-	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with modular metal box and 6A FT modular switch with front cover plate in flush with wall and making good of the concealed portion with suitable colour for PVC concealed modular light / fan Point (for electronic regulator) (Modular metal flush box, modular switch, cover plates should be (Higher end crabtree / legrand / Hager / Equivalent) (6 points per coil) (DATA 2)				1 Pt -One point-		

1	2	3	4	5	Rs.	6	7	Rs.
3	2 pts -Two points only-	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with modular metal box and 6A FT modular switch with front cover plate in flush with wall and making good of the concealed portion with suitable colour for PVC concealed modular staircase light / fan Point (for electronic regulator) (Modular metal flush box, modular switch, cover plates should be (Higher end crabtree / legrand / Hager / Equivalent) (Staircase points) (DATA 3)				1 Pt -One point-		
4	38 pts -Thirty eight points only-	Wiring with 2 x 1.5 sq.mm. (22 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with modular metal box and 6A FT modular switch with modular 3 pin wall socket with front cover plate and continuous of 14 SWG TC wire and making good of the concealed portion with suitable colour for PVC concealed modular 6A plug point. (Modular metal flush box, modular switch, cover plates should be legrand Arteors / Equivalent (DATA 4)				1 Pt -One point-		
5	4 Nos -Four numbers only-	Supply and fixing of AC / DC 76mm buzzer / call bell suitable for 230 volts 50 c/s single phase AC supply on white cover plate and metal box with bell push. (Higher end crabtree /legrand/ higher / equivalent) Push switch. (DATA 5)				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
6	40 mtrs -Forty metres only-	Supply and run of 2 of 1.5 Sqmm (22/0.3) PVC insulated SC unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe on wall and ceiling and making good of the concealed portion with suitable colour. (for call bell mains) (DATA 6)				1 mtr -One metre-		
7	17 Nos -Seventeen numbers only-	Supplying and fixing battren holder bakelite with 5W with LED lamp for BH point (DATA 7)				1 No -Each-		
8	2 Nos -Two numbers only-	Supply and fixing of WT bulk head fitting with guard (Philips / Bajaj / Crompton / K.Lite) suitable for 9W LED lamp (DATA 8)				1 No -Each-		
9	3 Nos -Three numbers only-	Supply and fixing of surface / recess mounted 18W LED fitting LED recessed full open 1X1 tile, Glare free uniform illumination with longer life and less maintenance crompton make (model LCTRLN - 30 - FO-CDL) complete with LED lamp with necessary connection (DATA 9)				1 No -Each-		
10	27 Nos -Twenty seven numbers only-	Supplying and fixing of industrial box type luminaire suitable for single T8 LED tube crompton make 4'20W LED tube light fitting (crompton make model No. DIJB12LT8 - 20/ equivalent) with TW round blocks on wall or ceiling with 4x20W LED tube light with PVC unsheathed copper leads from terminals to the fitting (DATA 10)				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
11	49 Nos -Forty nine numbers only-	Supplying and fixing of industrial box type luminaire suitable for single T8 LED tube crompton make 4'20W LED tube light fitting (crompton make model No. DIJB12LT8 - 20/ equivalent) with TW round blocks with conduct pipe suspension from the ceiling with 4"20W LED tube light with PVC unsheathed copper leads from terminals to the fitting (DATA 11)				1 No -Each-		
12	45 Nos -Forty five numbers only-	Supply and fixing of 36W 4' Recessed mounted LED luminaire comprises of CRCA sheet metal body powder coated in white. the LED clusters are assembled in the body and special high translucent frosted diffuser is used for uniform glare-free light distribution.crompton make model no LCTLRN-40-CDL[1x4] or Equ (DATA 12)				1 No -Each-		
13	7 Nos -Seven numbers only-	Supply and fixing of 40W LED street light luminaire comprises of pressure die cast Aluminium housing powder coated in sliver grey and toughened glass (crompton make model LSTS – 40 CDL – M / equivalent).complete with 50mm to 60mm dia GI pipe (Class B) with 1 No. 32MM GI bend complete on the existing post / wall with 16A aerial fuse unit on MS plate with PVC unsheathed copper leads MS clamps and aluminium painting. (DATA 13)				1 No -Each-		
14	62 Nos -Sixty two numbers only-	Supply and fixing of 1200 mm (48") sweep AC ceiling fan (crompton make) complete with stepped electronic 100W regulator, with box type fan (Modular regulator, cover plates should be Higher end crabtree / legrend / Hager / equivalent) (DATA -14)				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
15	13 Nos -Thirteen numbers only-	Supply and fixing of 300mm (12") sweep (light duty) AC exhaust fan complete with necessary wall opening and making good of the wall (SD 114)				1 No -Each-		
16	13 Nos -Thirteen numbers only-	Supply and fixing of louvers shutters arrangements for 300mm (12") sweep (light duty) AC exhaust fan (SD 120)				1 No -Each-		
17	47 Nos -Forty seven numbers only-	Supply and fixing of 3Nos. 6A (3 pin and 2 pin) combined flush type modular wall socket 3 Nos. 6A one way switch flush type switch with front cover plate concealed in suitable metal flush box with earth connection (for computer plug – modular 3 Nos.) (modular metal flush box, switch and cover plate suitable be higher end crabtree / legrand / hager / equivalent) (DATA -15)				1 No -Each-		
18	705 mtrs -Seven hundred and five metres only-	Supply and run of 2 x 2.5 Sqmm (36/0.3) PVC insulated Sc unsheathed Cu. Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. (DATA 16)				1 mtr -One metre-		

1	2	3	4	5	Rs.	6	7	Rs.
19	16 Nos -Sixteen numbers only-	Supply and fixing of 16A (3 pin and 2 pin) combined flush type modular wall socket and 6A one way switch flush type switch with front cover plate concealed in suitable metal flush box with earth connection (modular metal flush box, switch and cover plate suitable be higher end crabtree / legrand /hager / equivalent) (DATA -17)				1 No -Each-		
20	20 Nos -Twenty numbers only-	Supply and fixing of 20Amps DP plug and socket in sheet enclosure with 32A DP MCB in flush with wall with earth connection (For AC Plug) (Legrand/ MDS/ Hager / L&T make) (SD 140)				1 No -Each-		
21	4 Nos -Four numbers only-	Supply and fixing of 12 way single pole and neutral MCB with metal door cover with IP 42 protection in sheet steel enclosure Distribution board with 1No 40 Amps DP MCB as incoming and 10 Nos 6 Amps to 32 Amps SPMCB outgoing in flush with wall and making good of the concealed portion with earth connection only. The MCB DB and MCB's should be with ISI mark (Legrand / MDS / Hager / L&T make).(DATA -18)				1 No -Each-		
22	600 mtrs -Six hundred metres only-	Supply and run of 2 x 4 Sqmm (56/0.3) PVC insulated Sc unsheathed Cu. Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. (SD 57)				1 mtr -One metre-		

1	2	3	4	5	Rs.	6	7	Rs.
23	1 No -One number only-	Supply and fixing of 32A FP MCB in metal box FP enclosure in flush with wall and making good of the concealed portion with earth connection (DATA 19)				1 No -Each-		
24	15 mtrs -Fifteen metres only-	Supply and run of 4 of 4 sq.mm. (56 / 0.3) PVC insulated single core unsheathed copper conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour (SD 61)				1 mtr -One metre-		
25	5 Nos -Five numbers only-	Supply and fixing of Horizontal type 4 way triple pole neutral MCB distribution board with metal door cover with IP 42 protection in sheet steel enclosure Distribution board with 63 Amps 4 Pole MCB isolator as incoming and 12 Nos 6 A to 32 A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCB DB and MCB's should be with ISI Mark. (DATA 20)				1 No -Each-		
26	75 mtrs -Seventy five metres only-	Supply and run of 4 x 10 Sqmm (140/0.3) PVC insulated Sc unsheathed Cu. Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. (DATA 21)				1 mtr -One metre-		

1	2	3	4	5	Rs.	6	7	Rs.
27	1 No -One number only-	Supply and fixing of vertical type 6 way triple pole neutral MCB distribution board with metal cover with IP 42 protection in sheet steel enclosure with 125A 4 pole MCB isolator as incoming and 6 Nos 63A TP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection. The MCB DB and MCB's should be with ISI Mark. (like legrand MDS/ Hager (L&T) make) (DATA 22)				1 No -Each-		
28	20 mtrs -Twenty metres only-	Supply and run of 4 x 16 Sqmm (101/0.45) PVC insulated Sc unsheathed Cu. Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour. (DATA 23)				1 mtr -One metre-		
29	1 No -One number only-	Supply and fixing of TNEB meter board suitable for 3 phase 100A service connection made up of suitable angle iron frame work of size 2 feet x 1½ feet using angle iron of size 1½" x 1½" x ¼" rigidly fixed on wall covered with hylem sheet of size 2 feet x 1½ feet of 12mm thickness with necessary bolts and nuts supports and supply and fixing of 3 Nos. 100A fuse units (500V), 1 No. neutral link, copper earth flat of size 1" x ¼" with inter connection of EB meter to fuse units by 16 Sq.mm PVC insulated copper wire with earth connection complete (SD 130)				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
30	3 mtrs -Three metres only-	Supply and run of 4 x 18 Sqmm (101/0.45) PVC insulated Sc unsheathed Cu. Conductor of 1100 V grade in 50mm dia GI pipe (Class B) suitable bent at both ends with necessary angle Iron up right and end supports for mains. (DATA 24)				1 mtr -One metre-		
31	40 mtrs -Forty metres only-	Supply and run of 4 of 16 sq.mm (104/0.45) PVC copper wire of 1100V on 7/20 GI bearer wire for service connection mains (DATA 25)				1 mtr -One metre-		
32	2 Nos -Two numbers only-	Earthing as per the ISI specification with an earth electrode of 2.10 metre Class 'B' GI pipe of dia not less than 40mm with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry (SD 233)				1 No -Each-		
33	20 mtrs -Twenty metres only-	Supply and run of 1 of No. 8 SWG hard drawn copper wire in suitable PVC rigid pipe concealed in wall ceiling and making good of the concealed portion with connection (DATA 26)				1 mtr -One metre-		
34	2 Nos -Two numbers only-	Supply and fixing of 25mm dia GI pipe (Class B) of 0.5mt. length with 100mmx10mmx6mm MS base plate, duly welded at the bottom with concreting on existing gate pillar with suitable MS box to house 5A control switch 16A fuse unit with lock and key arrangements and with supply and fixing of 18W LED outdoor gate light fitting (Luker WH, WW LGLSBG) complete suitable for 18W LED bulb with PVC unsheathed copper leads and painting of suitable colour (DATA 27) (gate lighting)				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
35	100 mtrs -One hundred metres only-	Supply and laying of the size of 2x10 PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 metre layer of sand and covering the three sides of the cable with bricks and refilling the earth to make good (SD 198)				1 mtr -One metre-		
36	20 mtrs -Twenty metres only-	Supply and clamping of 2 x 10 sq.mm. PVC LTUG armoured cable on post or on wall with MS clamps (SD 216)				1 mtr -One metre-		
37	6 Nos -Six numbers only-	Supply and fixing of brass cable gland for 2 x 10 sq.mm. PVC LTUG aluminium armoured cable with earth connection (SD 182)				1 No -Each-		
38	2 Nos -Two numbers only-	Supply and fixing of 32A DP MCB in sheet steel enclosure (legrand make) in flush with wall and making good of the concealed portion with earth connection (DATA 28)				1 No -Each-		
39	6 Nos -Six numbers only-	Supply, erection, testing and commissioning of 2.0 TR(6000 K.cal/ hr) ABS plastic split type air conditioner conforming to IS :1391 (PART-2) 1992 with Amdt no:1 to 2 fitted with rotary compressor operating on refrigerant R-22/ non -CFC suitable for wall mounting for operation on 230V, 50HZ single phase AC supply with Five star rating as per BEE specification and capable of operating the functions of A)Cooling B)Dehumidifying C)Air circulation D)Filtering				1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
39	contd.,	<p>The installation work for the above split type A.C units includes the following</p> <ol style="list-style-type: none"> 1) Mounting/fitting indoor and out door units at their respective locations. 2) Laying refrigerant pipeline of required length connecting not exceeding 6 meters distance and both unit after drilling hole /holes in the wall if required. Thickness of the copper tubing shall not be less than 0.7mm. 3) Insulating the suction pipe with expanded polythene foam 5mm tubing. 4) Laying 15mm dia flexible PVC drain pipe to throw out the condensate water being formed with in the indoor unit 5) Leakage testing the entire system unit 6) Charging refrigerant gas in to the unit 7) Suitable electronic wiring to be provided with 2.5 sq.mm PVC insulated copper wire between indoor and out door unit upto 6 meters length and upto switch with in 3 meters of location of indoor unit (Make- Carrier/Voltas/Blue star make only) 						
40	6 Nos -Six numbers only-	Supply and fixing of 5 KVA electronic Automatic Voltage Stabilizer V-Gurad make model VGS 400 with input range of 170-270V and out put range 200-240V with high and low voltage cut off and 3 minutes time delay relay with demonstration(SR)					1 No -Each-	

1	2	3	4	5	Rs.	6	7	Rs.
41	6 Nos -Six numbers only-	Supply and fixing of wall clamp support for mounting outdoor unit of split type AC unit complete.				1 No -Each-		
42	10 mtrs -Ten metres only-	Supply and fixing of 5/8" and 3/8" copper pipes with insulation foam of 6mm thickness suitable for 2TR and 1.5TP split type AC unit and 3 core 2.5Sq.mm copper cable with connection.				1 mtr -One metre-		
<hr/>								
Net Total								
<hr/>								
Add GST 12%								
<hr/>								
Gross Total								
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Total Number of Items 43 - (Forty three) only
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SCHEDULE - A

Name of Work :

HRCE Department, Salem

CONSTRUCTION OF COMPOUND WALL FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	55 M ³ -Fifty five cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	8.50 M ³ -Eight decimal five zero cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3		<p>Providing and laying in position, Standardised Concrete Mix M-25 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 350 kglms and maximum water cement ratio of 0.50, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 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 crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including</p> <p>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).</p>	30 V, VI, (SS) VII & 13					
a	31 M ³ -Thirty one cubic metre only-	For Foundation and Basement				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3.b	7 M ³ -Seven cubic metre only-	For Super Structure in Ground Floor				1 M ³ -One cubic metre-		
4		Supplying and Erecting, Steel Centering for sides and soffits including supports and strutting upto 3.29m height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90cmX60cm and BG 10 gauge stiffened with welded mild steel angles of size 25mmX25mmX3mm for boarding laid over silver oak joists of size 10cmX6.50cm spaced at about 90cm centre to centre and supported by Casurina props of 10cm to 13cm dia spaced at not less than 75cm centre to centre at suitable intervals etc., complete in all floors as directed by the departmental officers complying with standard specifications. The payment for centering shall be made only after the concrete laid. The retrieved materials should be taken back by the contractor.	30, 44H					
a	250 M ² -Two hundred and fifty square metre only-	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
4.b	95 M ² -Ninety five square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)				1 M ² -One square metre-		
5	3.44 MT -Three decimal four four Metricl tonne only-	Supplying, fabricating and placing in position Mild steel or Ribbed tor steel in all size for all RCC works as per the design given including cost of steel and binding wire in all floors etc., complete complying with standard specifications. (The contratctor will have to make his own arrangements for the supply of MS plain rod / RTS rod and binding wire)	86, 86A & 87			1 MT -One Metric tonne-		
6		Brickwork in cement mortar 1:5 (One cement and five M.sand) using best quality lnd class ground moulded chamber burnt bricks of size 9"x4³/₈"x2³/₄" for the following including curing etc., complete complying with standard specifications.	31 & Similar to 31C V, VI (SS) VII					

1	2	3	4	5	Rs.	6	7	Rs.
6.a	70 M ³ -Seventy cubic metre only-	Foundation and basement				1 M ³ (One Cubic Metre)		
b	55 M ³ -Fifty five cubic metre only-	Super Structure in Ground Floor				1 M ³ (One Cubic Metre)		
7	790 M ² -Seven hundred and ninety square metre only-	Plastering with cement mortar 1:5 (One cement and five crushed stone sand) 12mm thick in all floors complying with standard specifications and as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
8	250 M ² -Two hundred and fifty square metre only-	Special ceiling plastering and finishing the exposed surfaces of RCC work such as RCC slabs, sunshades, facia, canopy slab, staircase. Waist slab landing slab etc., with cement mortar 1:3 (One cement and three crushed stone sand) 10mm thick including hacking and providing necessary cement mortar nosing, beading etc., wherever necessary and as directed with the same cement mortar etc., complete complying with standard specifications as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
9	3050 Kg -Three thousand and fifty kilogram only-	Supplying and Fixing M.S grill to opening corridor sides, 74, 85 & ladder Entrance gate and Name board angles etc., Using necessary M.S flat for inner members and outer members which should be fixed to window members frames as directed by departmental officers inclusive of cost of providing one coat of best quality red oxide primer. -The design of M.S. grill should be got approved from departmental officers before use on works.-	86			1 Kg -One kilo gram-		
10	790 M ² -Seven hundred and ninety square metre only-	Painting two coats of newly plastered wall surface with water based exterior 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.	65A			1 M ² -One square metre-		
11	210 M ² -Two hundred and ten square metre only-	Painting two coats of new iron works such as steel doors, windows, ventilators, window bar balustrades etc., with best approved first quality synthetic enamel paint of approved colour over one coat of red oxide primer in all floors. The rate is inclusive of all materials, brushes and scaffolding charges etc., complete complying with standard specification -Paint should be got approved by the Executive Engineer before use on work-.	66 & 66A			1 M ² -One square metre-		
					Net Total			
					Add GST 12%			
					Gross Total			
		Total Number of Items 11 - (Eleven) only						

SCHEDULE - A

Name of Work :

HRCE Department, Salem

CONSTRUCTION OF SUMP FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	24 M ³ -Twenty four cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	1.80 M ³ -One decimal eight zero cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	1.80 M ³ -One decimal eight zero cubic metre only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		
4	8 M ³ -Eight cubic metre only-	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/ms 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 crushed stone 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.	30 V, VI, (SS) VII & 13			1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
4	contd.,	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).-For foundation and basement						
5	56 M ² -Fifty six square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)				1 M ² -One square metre-		
6	1 MT -One Metric tonne only-	Supplying, fabricating and placing in position Mild steel or Ribbed tor steel in all size for all RCC works as per the design given including cost of steel and binding wire in all floors etc., complete complying with standard specifications. (The contractor will have to make his own arrangements for the supply of MS plain rod / RTS rod and binding wire)	86, 86A & 87			1 MT -One metric tonne-		

1	2	3	4	5	Rs.	6	7	Rs.
7	62 M ² -Sixty two square metre only-	Special ceiling plastering and finishing the exposed surfaces of RCC work such as RCC slabs, sunshades, fascia, canopy slab, staircase. Waist slab landing slab etc., with cement mortar 1:3 (One cement and three crushed stone sand) 10mm thick including hacking and providing necessary cement mortar nosing, beading etc., wherever necessary and as directed with the same cement mortar etc., complete complying with standard specifications as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
8	5 Nos -Five numbers only-	Supply and Fixing in position of CI steps including cost and conveyance of materials, Labour charges for fixing in position etc., all complete.				1 No -Each-		
9	2 Nos -Two numbers only-	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete complying with standard specifications				1 No -Each-		
10	1 Rm -One running metre only-	Supply and Fixing in Position of AC Vent Pipe of 100mm Diameter including Cost and Conveyance of Materials, Labour charges for fixing in position etc., all complete				1 Rm -One running metre-		
Net Total								
Add GST 12%								
Gross Total								
		Total Number of Items 10 - (Ten) only						

SCHEDULE - A

Name of Work :

HRCE Department, Salem

CONSTRUCTION OF SEPTIC TANK FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	68 M ³ -Sixty eight cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	7.10 M ³ -Seven decimal one zero cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	7.10 M ³ -Seven decimal one zero cubic metre only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		
4	6.50 M ³ -Six decimal five zero cubic metre only-	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/ms 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 crushed stone 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.	30 V, VI, (SS) VII & 13			1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
4	contd.,	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).-For foundation and basement						
5	43.50 M ² -Forty three square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)				1 M ² -One square metre-		
6	0.63 MT -Zero decimal six three Metric tonne only-	Supplying, fabricating and placing in position Mild steel or Ribbed tor steel in all size for all RCC works as per the design given including cost of steel and binding wire in all floors etc., complete complying with standard specifications. (The contractor will have to make his own arrangements for the supply of MS plain rod / RTS rod and binding wire)	86, 86A & 87			1 MT -One metric tonne-		

1	2	3	4	5	Rs.	6	7	Rs.
7	23 M ³ -Twenty three cubic metre only-	Brickwork in cement mortar 1:5 (One cement and five M.sand) using best quality IInd class ground moulded chamber burnt bricks of size 9"x4³/₈"x2³/₄" for the following including curing etc., complete complying with standard specifications. -Foundation and basement	31 & Similar to 31C V, VI (SS) VII			1 M ³ (One Cubic Metre)		
8	44 M ² -Forty four square metre only-	Special ceiling plastering and finishing the exposed surfaces of RCC work such as RCC slabs, sunshades, facia, canopy slab, staircase. Waist slab landing slab etc., with cement mortar 1:3 (One cement and three crushed stone sand) 10mm thick including hacking and providing necessary cement mortar nosing, beading etc., wherever necessary and as directed with the same cement mortar etc., complete complying with standard specifications as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
9	32 M ² -Thirty two square metre only-	Plastering with cement mortar 1:5 (One cement and five P.sand) 12mm thick in all floors complying with standard specifications and as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
10	64 M ² -Sixty four square metre only-	Plastering with cement mortar 1:3 (One cement and five P.sand) 20mm thick in all floors complying with standard specifications and as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
11	140 M ² -One hundred and forty square metre only-	Supplying and painting the walls with two coats of cement paint over one coat of cement primer as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications (The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work).				1 M ² -One square metre-		
12	1 Rm -One running metre only-	Supply and Fixing in Position of AC Vent Pipe of 100mm Diameter including Cost and Conveyance of Materials, Labour charges for fixing in position etc., all complete				1 Rm -One running metre-		
13	2 Nos -Two numbers only-	Supplying and fixing in position CI manhole covers with CI frames (Heavy duty) of size 60cm x 60cm of best approved quality as per standard specification etc., complete complying with standard specifications				1 No -Each-		
14		Supplying and fixing in position " PVC Soil waste pipes " of pressure - 6kg/cm ² of the following best approved quality and make conforming to ISS of the following diameter and providing leak proof joints with cement, spun yarn etc., including fixing the wall with necessary teak wood plugs, brass screws, mild steel clamps etc., and giving connections to all sanitary fittings including dismantling brick masonry, RCC floor or roof slab etc., wherever necessary and redoing the disturbed portion to the original condition including painting the cast iron pipes and fitting with two coats of anti-corrosive paint etc., complete complying with standard specifications- Below Ground Level						

1	2	3	4	5	Rs.	6	7	Rs.
14								
a	147 Rm -One hundred and forty seven running metre only-	160mm dia PVC Pipe				1 Rm -One running metre-		
b	25 Rm -Twenty five running metre only-	110 mm dia PVC Pipe				1 Rm -One running metre-		
15	12 Nos -Twelve numbers only-	Construction of INSPECTION CHAMBER following clear sizes including earth work excavation, CC 1:5:10 of 10 cm thick and brick work in Cement Mortar 1:5 [One cement and Five sand] using best quality of second class Table Mould Bricks of size 9" x 4 3/8" x 2 3/4" with Plastering with Cement Mortar 1:3 [One Cement and Three Plastering Sand] 12 mm thick to inner and outer sides and wearing coat 1:3:6 [One Cement, Three crushed stone sand and Six Aggregate] 15 cm thick and covered with precast slab 5 cm thick etc., complete complying as directed by the departmental officers as per standard specification.- Clear size 0.60x0.60m				1 No -Each-		
					Net Total			
					Add GST 12%			
					Gross Total			
		Total Number of Items 15 - (Fifteen) only						

SCHEDULE - A

Name of Work :

HRCE Department, Salem

PROVIDING INTERLOCKING CEMENT CONCRETE PAVEMENT FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	18 M ³ -Eighteen cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	7.50 M ³ -Seven decimal five zero cubic metre Only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	60 M ³ -Sixty cubic metre Only-	Plain Cement concrete 1:4:8 (One cement Four M.sand and Eight aggregate) using 40mm gauge hard granite broken stone jelly for foundation including cost and conveyance of all materials labour for mixing, laying, compacting, curing, dewatering, side shuttering, wherever necessary including curing etc., complete complying with standard specification and as directed.	28			1 M ³ -One cubic metre-		
4	220 /M ² -Two hundred and twenty square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)				1 M ² -One square metre-		
5	22 M ³ -Twenty two cubic metre only-	Plain Cement Concrete 1:2:4 (one cement, two crushed stone sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specifications and as directed by the departmental officers.	28		Rs.6079.45 (Rupees Six thousand seventy nine and paise forty five only)	1 M ³ -One cubic metre-		31005

1	2	3	4	5	Rs.	6	7	Rs.
6	220 M ² -Two hundred and twenty square metre only-	Painting two coats of newly plastered wall surface with water based exterior 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.	65A			1 M ² -One square metre-		
7	600 M ² -six hundred square metre only-	Providing and Laying of Interlocking Concrete (Surface Textured) Block Pavements having thickness 80mm and compacted over a thin bedding sand layer of 25 mm thickness and joints shall be filled by fine sand of specified grading as per table 1500.6 of Specification of Rural roads-2014 and Technical specification clause 1504.				1 M ² -One square metre-		
<hr/>								
Net Total								
<hr/>								
Add GST 12%								
<hr/>								
Gross Total								
<hr/>								

Total Number of Items 7 - (Seven) only

SCHEDULE - A

Name of Work :

HRCE Department, Salem

CONSTRUCTION OF CAR SHED FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	20 M ³ -Twenty cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	7 M ³ -Seven cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	9.50 M ³ -Nine decimal five zero cubic metre only-	Supplying and filling in foundation and basement with conveyed gravel (fit for filling) conveyed from the specified quarry in layers of not more than 15 cm thick watered rammed and well consolidated etc., complete complying with standard specifications.	24 & 25			1 M ³ -One cubic metre-		
4	13.50 M ³ -Thirteen decimal five zero cubic metre Only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		
5		Providing and laying in position, Standardised Concrete Mix M-25 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 350 kglms and maximum water cement ratio of 0.50, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 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 crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including	30 V, VI, (SS) VII & 13					

1	2	3	4	5	Rs.	6	7	Rs.
5	contd.,	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).						
a	8.21 M ³ -Eight decimal two one cubic metre only-	For Foundation and Basement				1 M ³ -One cubic metre-		
b	19 M ³ -Nineteen cubic metre only-	For Super Structure in Ground Floor				1 M ³ -One cubic metre-		
6		Supplying and Erecting, Steel Centering for sides and soffits including supports and strutting upto 3.29m height for plane surfaces as detailed below in all floors with all cross bracings using mild steel sheets of size 90cmX60cm and BG 10 gauge stiffened with welded mild steel angles of size 25mmX25mmX3mm for boarding laid over silver oak joists of size 10cmX6.50cm spaced at about 90cm centre to centre	30, 44H					

1	2	3	4	5	Rs.	6	7	Rs.
6	contd.,	and supported by Casurina props of 10cm to 13cm dia spaced at not less than 75cm centre to centre at suitable intervals etc., complete in all floors as directed by the departmental officers complying with standard specifications. The payment for centering shall be made only after the concrete laid. The retrieved materials should be taken back by the contractor.						
a	52.50 M ² -Fifty two decimal five zero square metre only-	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.				1 M ² -One square metre-		
b	105.50 M ² -One hundred and five decimal five zero square metre only-	For plane surfaces such as RCC floor slab , roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.				1 M ² -One square metre-		
6.c	37.50 M ² -Thirty seven decimal five zero square metre only-	Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as column footings, column pedestals, plinth beams, grade beams, staircase steps, etc. which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
6	contd.,	with welded mild steel angles of size 25mm x 25mm x 3 mm 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. (Payment for centering shall be given after the concrete is laid)						
7	3.40 MT -Three decimal four zero Metric tonne only-	Supplying, fabricating and placing in position Mild steel or Ribbed tor steel in all size for all RCC works as per the design given including cost of steel and binding wire in all floors etc., complete complying with standard specifications. (The contractor will have to make his own arrangements for the supply of MS plain rod / RTS rod and binding wire)	86, 86A & 87			1 MT -One Metric tonne-		
8		Brickwork in cement mortar 1:5 (One cement and five M.sand) using best quality IInd class ground moulded chamber burnt bricks of size 9"x4³/₈"x2³/₄" for the following including curing etc., complete complying with standard specifications.	31 & Similar to 31C V, VI (SS) VII					
a	4.40 M ³ -Four decimal four zero cubic metre only-	Foundation and basement				1 M ³ (One Cubic Metre)		
b	35 M ³ -Thirty five cubic metre only-	Super Structure in Ground Floor				1 M ³ (One Cubic Metre)		

1	2	3	4	5	Rs.	6	7	Rs.
9	7.60 M ² -Seven decimal six zero square metre only-	Brick partition wall using best quality IInd class Ground moulded chamber burnt bricks of size 9"x4 ³ / ₈ "x2 ³ / ₄ " in Cement Mortar 1:3 - One Cement and three M.sand - including supplying and fixing hoop iron reinforcement if considered necessary by the departmental officers as directed etc., complete complying with standard specifications (The hoop reinforcement will be measured & paid separately)-For Super Structure in Ground Floor in 11.50cm thickness.	28 & 39H			1 M ² -One square metre-		
10	390 M ² -Three hundred and ninety square metre only-	Plastering with cement mortar 1:5 (One cement and five crushed stone sand) 12mm thick in all floors complying with standard specifications and as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		
11	158.25 M ² -One hundred and fifty eight decimal two five square metre only-	Special ceiling plastering and finishing the exposed surfaces of RCC work such as RCC slabs, sunshades, fascia, canopy slab, staircase. Waist slab landing slab etc., with cement mortar 1:3 (One cement and three crushed stone sand) 10mm thick including hacking and providing necessary cement mortar nosing, beading etc., wherever necessary and as directed with the same cement mortar etc., complete complying with standard specifications as directed by the departmental officers.	56 & 57			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
12	6.50 M ³ -Six decimal five zero cubic metre only-	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 departmental officers.				1 M ³ -One cubic metre-		
13	65 M ² -Sixty five square metre only-	Finishing the top of roof with one course of machine pressed tiles of size 200mm x 200mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three Sand) 12mm 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 complying with standard specification and as directed by the departmental officers				1 M ² -One square metre-		
14	0.06 M ³ -Zero decimal zero six cubic metre only-	Supply and fixing of Teak wood Frames 127x76mm size as per standard specifications.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
15	2 M ³ -Two cubic metre only-	Supplying and fixing the following type of Country Wood door shutter with frame, including cost of wind appliance, furniture fittings etc., complete, fittings, labour charges for fixing furniture.				1 M ³ -One cubic metre-		
16	40 M ² -Forty square metre only-	Supplying and erecting of electrically operated Rolling shutter with ISI make of approved size and section by 18 GI sheet. The shutter shall be painted with one coat of red oxide primer and the rate inclusive of hood coras transportation.				1 M ² -One square metre-		
17	1.65 M ² -One decimal six five square metre only-	Supplying and fixing Solid PVC Door shutters using 19 Gauge 19mm MS Sq. tubes for styles and outer frames. 15mm MS Sq. 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 panelling shall rigidly fixed in position including necessary furniture and fittings. The over all size of styles shall be 50mm X 30mm. The over all size of top rail, lock rail and bottom rail shall be 75mmX 30mm. The over all size of frames shall be 50mm X 45mm, with suitable rebate for housing the shutter.				1 M ² -One Square Metre-		

1	2	3	4	5	Rs.	6	7	Rs.
18	4 M ² -Four square metre only-	<p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass</p> <p>4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work</p>	,			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
19	72 Kg -Seventy two kilogram only-	Supplying and Fixing M.S grill to opening corridor sides, ladder Entrance gate and Name board angles etc., Using necessary M.S flat for inner members and outer members which should be fixed to window members frames as directed by departmental officers inclusive of cost of providing one coat of best quality red oxide primer. -The design of M.S. grill should be got approved from departmental officers before use on works.-	74, 85 & 86			1 Kg -One kilo gram-		
20	0.36 M ² -Zero decimal three six square metre only-	<p>UPVC Ventilator Specification:</p> <p>Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Louvered Ventilators of from the profile the size of outer frame 60mm x 58mm and shutter profile size of 60 x 78mm both profiles are reinforced with GI/1mm 125GSM and 100% corrosion free, the profile are multi chambered sections with wall thick of 2mm.</p> <p>The EPDM rubber (black colour) covered with all over the edges of frame and shutter. The corners and joints should be welded and cleaned. Radiations pin headed glass 4mm thick should be provided in the louvers. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The ventilator should be got approved from the Executive Engineer before use on work</p>				1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
21	11 M ² -Eleven square metre only-	Paving the floor with best quality Double charged Verified Tiles of size 600 x 600 x 8mm of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three sand) 20mm thick in all floors and the top pointed with the white cement mixed same colour pigments etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	,			1 M ² -One square metre-		
22	3.60 M ² -Three decimal six zero square metre only-	Flooring with following Self design colour ceramic tiles of size 305x305x6mm laid over 20 mm thick cement mortar 1:3 (One Cement and Three Crushed stone sand) base mortar over the existing slab / floor including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with white cement mixed with colouring pigment at the rate of 0.3 Kg. / sq.m. etc., complete complying with standard specification. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)	,			1 M ² -One square metre-		
23	12.50 M ² -Twelve decimal five zero square metre only-	Dadooling walls with Colour Printed design colour glazed tiles with borders, with size of 300mm x 450mm x 8mm and above set in Cement Mortar 1:2 (One Cement and Two crushed stone sand) 10mm thick and pointing the joints with white cement mixed with colouring pigments at the rate of 0.40 Kg. / sq.m. neatly in all floors , curing etc., complying with standard specification and as directed by the departmental officers .	,			1 M ² -One square metre-		

1	2	3	4	5	Rs.	6	7	Rs.
24	548.25 M ² -Five hundred and forty eight decimal two five square metre only-	Painting two coats of newly plastered wall surface with water based exterior 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.	65A			1 M ² -One square metre-		
25	45 M ² -Forty five square metre only-	Painting two coats of new iron works such as steel doors, windows, ventilators, window bar balustrades etc., with best approved first quality synthetic enamel paint of approved colour over one coat of red oxide primer in all floors. The rate is inclusive of all materials, brushes and scaffolding charges etc., complete complying with standard specification -Paint should be got approved by the Executive Engineer before use on work-.	66 & 66A			1 M ² -One square metre-		
26	1 No -One number only-	Supplying and fixing in position white glazed European Special Water Closet of best quality and approved make with 100 mm "P" or "S" trap connecting with CI pipe of 100mm dia / PVC pipe of 110mm dia, double flapped rigid PVC black seat and seat cover with CP brass hinges including cost of white cement, cement for packing, spun yarn, teak wood plugs, brass screws, etc., including supplying and fixing 10 litres capacity PVC / 12.5 litres capacity porcelin low level flushing tank with a pair of CI brackets, etc., complete with all fittings such as 15mm brass ball valve with polythene float with brass handle, union, coupling connected by means of 40mm	Special			1 No -Each-		

1	2	3	4	5	Rs.	6	7	Rs.
26	contd.,	white PVC flush hand using Indian adopter joint including all internal fittings..... such as 15mm brass connections, 15mm GM wheel valve, 15mm brass nipple (2 Nos.), 15mm nylon connection, TW plugs, screws and also giving necessary connection to the PVC pipe including cost of 600mm length of 110mm dia PVC pipe and painting the CI brackets with 2 coats of approved paint over one coat of red oxide primer, dismantling the masonry and re-doing the dismantled masonry to original condition etc. complete complying with standard specifications. (The EWC and flushing tank wiht all accessories should be got approved by the Executive Engineer before use on works)						
27	1 No -One number only-	Supply and fixing in position of best Indian make white / colour glazed earthenware lipped mouth flat back urinal of best quality and approved make of size 430mm x 260mm x 350mm with GI pipe, 32mm dia bell mouth PVC connection and waste pipe, 15mm dia GI pipe of required length, 15mm dia GM wheel valve, 15mm dia brass nipple 2 Nos., and fixing the urinals in position with necessary TW plugs, clamps, screws, etc., including dismantling masnory and re-doing the same to the original condition, etc., including painting the pipe with two coats of best quality approved synthetic enamel					1 No -Each-	

1	2	3	4	5	Rs.	6	7	Rs.
27	contd.,	paint over one coat of red oxide primer and checked without any leakage etc. complete complying with standard specifications and as directed by the departmental officers. (The urinal should be got approved by the Executive Engineer before use on works.)						
28	1 No -One number only-	Supplying and fixing in position best quality and approved make White/colour glazed earthen ware wash hand basin of size 550 x 400 mm (22"x16") with a pair of cast iron brackets, 15mm. dia C.P.Pillar Tap 32mm dia "B" Class GI waste pipe and 15mm dia GM wheel Valve and 15mm dia brass nipple 32mm. dia C.P.Brass waste coupling with rubber plug and chain, 15mm dia nylon connection etc. and including fixing the wash hand basin in position, including cost of teakwood plugs, screws, rubber washers, including cost of all other fixing accessories white lead and giving water supply connection, testing for leakages etc. complete complying with standard specification and as directed by the departmental officers. (Wash hand basins should be got approved by the Executive Engineer before use).	102 & 103				1 No -Each-	
29	1 No -One number only-	Supplying and fixing in position 150 x 100mm "P" or "S" stoneware gully trap 'A' grade with CI double gratings of size 150 x 150mm and 230 x 230mm at bottom and top respectively with necessary earth work excavation laid over a bed of brick jelly cement concrete 1:3:6					1 No -Each-	

1	2	3	4	5	Rs.	6	7	Rs.
29	contd.,	(One cement, Three sand and Six broken brick jelly) 150mm thick using 40mm size broken brick jelly including necessary brick work and plastering including dismantling masonry wherever necessary and re-doing the damaged portions to the original conditions using cement concrete 1:3:6 using 20mm stone jelly for fixing the gully trap and giving connections to stoneware sewer line etc., complete complying with standard specifications. [Earth work excavation, brick work, plastering shall be measured and paid separately]. The stoneware gully trap should be got approved by the Executive Engineer before use on works.						
30	1 No -One number only-	Supplying and fixing position CI Nahani Trap / Floor Trap of the 100 x 75mm with pvc gratings sizes with best stainless steel gratings of approved brand and quality, fixed over a bed of brick jelly lime concrete 1:2:5 (One part of lime, two part of sand and five part of 40mm gauge brick jelly) and finished with Cement Mortar 1:3 (One Cement, Three sand) including dismantling masonry works wherever found necessary and making good the dismantled portions to the original condition and giving connection to the PVC pipes, etc., complete complying with standard specification.	102 &103				1 No -Each-	

1	2	3	4	5	Rs.	6	7	Rs.
31	9 Rm -Nine running metre only-	Supplying and fixing in position best approved ISI quality 110mm dia PVC Rainwater Downfall pipes of following dia having working pressure of 4kg/cm ² including cost of PVC pipe, with necessary shoes, bends, nails, teakwood plugs, screws etc, and fixing of cast iron gratings of required dia metre and special clamps at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cost of removable cast iron gratings. The size of teak wood plugs to be used shall be 150mm x 25mm in front and 200mm x 75mm in rear and all other sides to a depth of 100mm. The PVC pipe shall be fixed with teakwood plugs by means of "U" Clamps using brass screws. Special types of "U" clamp at the centre of the pipeline shall be fixed in addition to those for more than 3 metre pipe length complying with standard specifications.-One floor	107			1 Rm -One running metre-		
32	9.10 M ³ -Nine decimal one zero cubic metre only-	Plain Cement Concrete 1:2:4 (one cement, two Crushed stone sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specifications and as directed by the departmental officers.				1 M ³ -One cubic metre-		
					Net Total			
					Add GST 12%			
					Gross Total			

Total Number of Items 32 - (Thirty two) only

SCHEDULE - A

Name of Work :

HRCE Department, Salem

CONSTRUCTION OF VEHICLE PARKING SHED FOR INTEGRATED JOINT COMMISSIONER OFFICE BUILDING FOR SALEM REGION AT SALEM

Sl. No.	Approximate Quantity in figures and Words	Description of Works	TNBP /NBC No.	Rate in figures and words		Unit in Figures and words	Amount	
1	2	3	4	5	Rs.	6	7	Rs.
1	40 M ³ -Forty cubic metre Only-	Earthwork excavation for foundation in all soils and sub soils and to full depth as may be directed except in, Hard rock requiring blasting, but inclusive of shoring, strutting and baling out water wherever necessary and refilling the sides of foundation with excavated earth in layers of not more than 15cm thick, well rammed watered consolidated and depositing the surplus earth within the compound in places as shown by the departmental officers with an initial lead, and lift etc., complete complying with standard specifications.	23 & 24			1 M ³ -One cubic metre-		
2	5.80 M ³ -Five decimal eight zero cubic metre only-	Supplying and filling in foundation and basement with filling M.sand in layer of not more than 15cm thick.well watered, rammed and consolidated complying with standard specification.				1 M ³ -One cubic metre-		

1	2	3	4	5	Rs.	6	7	Rs.
3	0.60 M ³ -Zero decimal six zero cubic metre Only-	Cement concrete 1:5:10 (One cement, five crushed stone sand and ten aggregate) using 40mm gauge hard broken granite stone jelly for foundation including dewatering if found necessary and laid in layers of not more than 15cm thick, well rammed, watered etc., complete complying with standard specification	28			1 M ³ -One cubic metre-		
4	7.90 M ³ -Seven decimal nine zero cubic metre Only-	Plain Cement concrete 1:4:8 (One cement Four M.sand and Eight aggregate) using 40mm gauge hard granite broken stone jelly for foundation including cost and conveyance of all materials labour for mixing, laying, compacting, curing, dewatering, side shuttering, wherever necessary including curing etc., complete complying with standard specification and as directed.	28			1 M ³ -One cubic metre-		
5	4.40 M ³ -Four decimal four zero cubic metre Only-	Plain Cement concrete 1:3:6 (One cement Three M.sand and Six aggregate) using 40mm gauge hard granite broken stone jelly for foundation including cost and conveyance of all materials labour for mixing, laying, compacting, curing, dewatering, side shuttering, wherever necessary including curing etc., complete complying with standard specification and as directed.	28			1 M ³ -One cubic metre-		
6	400 Kg -Four hundred kilogram only-	Supply Manufacturing and Erection of Steel Structure for Vehicle Stand in rear side of Office complex including cost and conveyance of materials, Labour charges for cutting to the required size welding, erection etc., all complete.	74, 85 & 86			1 Kg -One kilo gram-		

1	2	3	4	5	Rs.	6	7	Rs.
7	76.10 M ² -Seventy six decimal one zero square metre only-	Supplying and fixing colour galvanum sheet roof of 0.47mm thick and steel tubular box section of 100x50x3mm of 1meter interval including priming coat fixing in position with all necessary accessories complete complying with standard specification and as directed by the departmental officers.				1 M ² -One square metre-		
8	58 M ² -Fifty eight square metre only-	Providing Granolithic pattern floor finish of the 25mm thickness with plain cement concrete 1:2:4 (One cement, two Crushed stone sand and four aggregate) using 10 mm to 12mm size hard broken granite stone jelly and top rubbed smooth and grooves shall be cut in the concrete for floor finishing at spacing not exceeding 3 metre on both directions using Groove cutting machine, etc., complete complying with standard specifications in all floors.				1 M ² -One square metre-		
9	37 M ² -Thirty seven square metre only-	Painting two coats of new iron works such as steel doors, windows, ventilators, window bar balustrades etc., with best approved first quality synthetic enamel paint of approved colour over one coat of red oxide primer in all floors. The rate is inclusive of all materials, brushes and scaffolding charges etc., complete complying with standard specification -Paint should be got approved by the Executive Engineer before use on work-.	66 & 66A			1 M ² -One square metre-		
					Net Total			
					Add GST 12%			
					Gross Total			
		Total Number of Items 9 - (Nine) only						