

## SCHEDULE

### CONSTRUCTION OF ADW COMMUNITY HALL AT K.KODIKULAM VILLAGE (THIRUPULANI UNION) IN RAMANATHAPURAM DISTRICT.

a) The Quantities given here are those upon which the lump sum tender cost of the work is based, but they are subject to alternations, omissions, deductions or addition as provided for in the condition of this contract and do not necessarily show the actual quantities of work to be done. The unit rates excluding GST Amount, quoted below are those governing payment for extras or deductions or omissions according to the condition of the contract, as set forth in the preliminary specification of the standard specifications for roads and bridges with the MORTH specifications and other condition of specifications of the contract.

b) It is be expressly understood that the measured work is to be taken net (Not withstanding any custom or practice to the contrary) according to the actual quantities. When in places and finished according to the drawings, or as may be ordered from time to time by the Collector and the cost calculated by measurement or weight at the respective prices, without any additional charges for any necessary or contingent works concerned therewith. The rates quoted excluding GST Amount are for the finished works in situ and complete in every respect.

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
1	140.00	Cu.m	Earth work excavation for foundation ( <b>for narrow excavation</b> ) in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2 mts. and clearing and levelling the site, etc., complete complying with standard specification.	23&24	VI (S2)	214.55	Rupees Two Hundred Fourteen and Fifty Five Paise Only	1 Cum (One Cubic metre)	30037.00
2	44.00	Cu.m	Earth work open excavation in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification.	23&24	VI (S2)	101.70	Rupees One Hundred One and Seventy Paise Only	1 Cum (One Cubic metre)	4475.00
3	14.00	Cu.m	Cement Concrete 1:4:8 (One Cement, Four M- sand and Eight hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and curing etc. complete complying with standard specification	28	V, VI, (S2)	5300.80	Rupees Five Thousand Three Hundred and Eighty Paise Only	1 Cum (One Cubic metre)	74211.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
4	15.00	Cu.m	Flooring Concrete 1:4:8 (One cement, Four M-sand and Eight hard broken stone) using 40 mm gauge hard broken jelly for flooring including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers.	28	V, VI, (S2)	5300.80	Rupees Five Thousand Three Hundred and Eighty Paise Only	1 Cum (One Cubic metre)	79512.00
5	21.00	Cu.m	Supplying and filling in foundation, basement, etc with filling <b>sand</b> in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.	30	V, VI, VII	1833.80	Rupees One Thousand Eight Hundred Thirty Three and Eighty Paise Only	1 Cum (One Cubic metre)	38510.00
6	85.00	Cu.m	Refilling with <b>excavated earth</b> other than sand with an initial head load of 100 mts. 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	NBC Part VI (S2) 8	33.60	Rupees Thirty Three and Sixty Paise Only	1 Cum (One Cubic metre)	2856.00
7	8.50	Cu.m	Supplying and filling <b>40mm guauge HBGS stone jelly for dispersion trench</b> including loading conveying and unloading and as directed by the departmental officers etc. complete complying with standard specification.	Specials		1889.10	Rupees One Thousand Eight Hundred Eighty Nine and Ten Paise Only	1 Cum (One Cubic metre)	16057.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
8	185.00	Sq.m	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).	30	V, VII (S3) VII	747.60	Rupees Seven Hundred Forty Seven and Sixty Paise Only	1 Sqm (One Square metre)	138306.00
9			Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at about 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specification. (Payment for centering shall be given after the concrete is laid).	30	V, VII (S3)				0.00
a	287.00	Sq.m	For plane surfaces such as RCC floor slab, roof slab, beams, lintels, bed blocks, landing slab, waist slab, portico slabs and beams, etc.			840.30	Rupees Eight Hundred Forty and Thirty Paise Only	1 Sqm (One Square metre)	241166.00
b	120.00	Sq.m	For plane surfaces such as rectangular or square RCC columns, sunshades, top and bottom slab of RCC boxing, etc.			1008.40	Rupees One Thousand Eight and Forty Paise Only	1 Sqm (One Square metre)	121008.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
10			Cement Concrete 1:1-1/2:3 (One Cement, One and a half M- sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers						
a	36.00	Cu.m	For foundation & basement	30	V,VI,VII	8644.10	Rupees Eight Thousand Six Hundred Forty Four and Ten Paise Only	1 Cum (One Cubic metre)	311188.00
b	40.00	Cu.m	In Ground floor			8747.40	Rupees Eight Thousand Seven Hundred Forty Seven and Forty Paise Only	1 Cum (One Cubic metre)	349896.00
c	7.00	Cu.m	In First floor			8950.90	Rupees Eight Thousand Nine Hundred Fifty and Ninety Paise Only	1 Cum (One Cubic metre)	62656.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
11	90.00	Qtl	Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel grills for all RCC works as per design given including cost of steel and G.I. binding wire in all floors etc. complete complying with standard specification. (Contractor has to make his own arrangements for the supply of steel and binding wire)	30	V,VI,	7851.53	Rupees Seven Thousand Eight Hundred Fifty One and Fifty Three Paise Only	1 Qtl (One Quintal)	706638.00
12			Manufacturing, supplying and fixing <b>Precast Reinforced Cement Concrete slabs</b> of following thickness in RCC 1:2:4 (one cement, two M- sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification						
a	3.00	Sq.m	25mm Thick slab	Similar to 29		244.60	Rupees Two Hundred Forty Four and Sixty Paise Only	1 Sqm (One Square metre)	734.00
13			Brick work using using <b>Country Bricks of size 8-3/4" x 4-1/4" X2-3/4" in Cement Mortar 1:6</b> (One cement and six M -sand) including curing neat finishing, etc., complete complying with standard specification.						
a	11.00	Cu.m	For foundation & basement	31, 31c	V,VI (S1)	5429.75	Rupees Five Thousand Four Hundred Twenty Nine and Seventy Five Paise Only	1 Cum (One Cubic metre)	59727.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
b	52.00	Cu.m	In Ground floor			5497.80	Rupees Five Thousand Four Hundred Ninety Seven and Eighty Paise Only	1 Cum (One Cubic metre)	285886.00
c	28.00	Cu.m	In First floor			5635.00	Rupees Five Thousand Six Hundred Thirty Five Only)	1 Cum (One Cubic metre)	157780.00
14			Brick work using using <b>Country Bricks of size 8-3/4" x 4-1/4" X2-3/4" in Cement Mortar 1:5</b> (One cement and five M-sand) including curing neat finishing, etc., complete complying with standard specfiction.						
a	10.50	Cu.m	For foundation & basement	31,31C	V, VI, (S1)	5502.65	Rupees Five Thousand Five Hundred Two and Sixty Five Paise Only	1 Cum (One Cubic metre)	57778.00
15			Brick partition walls using best quality using <b>Country Bricks of size 8-3/4" x 4-1/4" X2-3/4"</b> in Cement Mortar 1:3 (One Cement and Three M-Sand) using hoop iron reinforcement if found necessary including curing etc. complete and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately).						

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
a	47.00	Sq.m	In Ground floor	31 & Similar to 31 C	V, VI (S5) VII	719.25	Rupees Seven Hundred Nineteen and Twenty Five Paise Only	1 Sqm (One Square metre)	33805.00
16	14.00	Cu.m	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.	30G	V, VI, S5	3695.60	Rupees Three Thousand Six Hundred Ninety Five and Sixty Paise Only	1 Cum (One Cubic metre)	51738.00
17	170.00	Sq.m	Finishing the top of roof with one course of <b>machine pressed tiles</b> of size 230mm x 230mm x 20mm of approved quality set in Cement Mortar 1:3 (One Cement and Three M- 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	44th std	VII	1084.60	Rupees One Thousand Eighty Four and Sixty Paise Only	1 Sqm (One Square metre)	184382.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
18			Paving the floor with fine polished cuddapah stone slab of following thickness over Cement Mortar 1:3 (One Cement and Three M-Sand) 20mm thick over the existing bed of Cement Concrete 1:5:10, (One Cement, Five Sand and Ten aggregate) and pointing the joints to full depth of slabs with same mortar mixed with black oxide and the top surface rendered smooth, curing, etc., The cuddapah stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work, etc., complete complying with standard specification.						
a	25.00	Sq.m	38 / 40mm thick			1176.10	Rupees One Thousand One Hundred Seventy Six and Ten Paise Only	1 Sqm (One Square metre)	29403.00
19	110.00	Sq.m	Paving the floor with best quality <b>Double charged Vitrified Tiles of size 600 x 600 x 8mm</b> of approved colour, shade and quality laid in cement mortar 1:3 (one cement and three M-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)			1374.80	Rupees One Thousand Three Hundred Seventy Four and Eighty Paise Only	1 Sqm (One Square metre)	151228.00



Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
20	25.00	Sq.m	Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in Cement Mortar 1:3 (One Cement and Three M-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)			1232.80	Rupees One Thousand Two Hundred Thirty Two and Eighty Paise Only	1 Sqm (One Square metre)	30820.00
21			Flooring with following <b>ceramic tiles of size 305 x 305 x 6 mm</b> laid over 20 mm thick cement mortar 1:3 (One Cement and Three M-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)						
a	28.00	Sq.m	Plain Ceramic Tiles of size 305 x 305 x 6mm	Specials		792.60	Rupees Seven Hundred Ninety Two and Sixty Paise Only	1 Sqm (One Square metre)	22193.00

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1	2	3	4	5	6	7	8	9	10
22			Dadoing walls with following best approved quality, white / colour glazed tiles of following sizes set in Cement Mortar 1:2 (One Cement and Two M-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.						
a	108.00	Sq.m	Cost of Colour glazed tiles of size 150mm X150mm X 6mm size	39A		1218.50	Rupees One Thousand Two Hundred Eighteen and Fifty Paise Only	1 Sqm (One Square metre)	131598.00
23	6.00	Rm	Supplying and fixing PVC rain water pipes (Spout type) of 4kgf/cm2 including charges for fixing them in position in all floors etc., complete and as directed by the departmental officers.			212.90	Rupees Two Hundred Twelve and Ninety Paise Only	1Rm (One Running metre)	1277.00
24	300.00	Kg	Supplying & fixing <b>mild steel grills</b> for opening, corridor sides, ladder entrance gate and Name board angles, windows, ventilators, etc., including priming coat etc., complete complying with standard specification and as directed.	Specials		90.20	Rupees Ninety and Twenty Paise Only	1 Kg (One Kilogram)	27060.00
25	913.00	Sq.m	<b>Plastering</b> with Cement Mortar 1:5 (One cement and Five Plastering sand), <b>12mm</b> thick in all floors including curing etc. complete complying with standard specification and as directed by the departmental officers.	SS 56 & 57		224.80	Rupees Two Hundred Twenty Four and Eighty Paise Only	1 Sqm (One Square metre)	205242.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
26	260.00	Sq.m	<b>Special ceiling plastering</b> and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar 1:3 (One Cement and Three Plastering Sand) 10mm thick including hacking the surfaces, providing cement mortar nosing, beading for sunshades, staircases, steps, landing slabs and curing, etc., in all floors complying with standard specification and as directed by the departmental officers	SS 56 & 57		255.50	Rupees Two Hundred Fifty Five and Fifty Paise Only	1 Sqm (One Square metre)	66430.00
27	42.00	Sq.m	<b>Plastering</b> with Cement Mortar <b>1:3 (One Cement and Three Plastering Sand) 20mm thick mixed with water proofing compound</b> conforming to BIS at 2% by weight of cement used including finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers.	SS 56 & 57		471.20	Rupees Four Hundred Seventy One and Twenty Paise Only	1 Sqm (One Square metre)	19790.00

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1	2	3	4	5	6	7	8	9	10
28	15.00	Sq.m	<p>Manufacturing supplying and fixing of <b>Double Leaf Steel Door</b> with the following specification MS angels of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x6mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of hinges in case of single leaf and 6nos. of hinges in double leaves shutter to be provided 6nos. of holdfasts 120 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 2nos. one at the top and the other at the bottom are provided 1no. Aldrop is provided incase of double leaf door at lock rail section in the door in single leaf door, one more aldrop is provided in the inner lock rail section of the door One rotaing locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter t conceal the gap between the two shutters.at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc.,</p>	Specials		4606.00	Rupees Four Thousand Six Hundred Six Only)	1 Sqm (One Square metre)	69090.00

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1	2	3	4	5	6	7	8	9	10
29			Fabricating, Supplying and fixing in position of steel sheeted windows with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of sturdy hinges and one number of handle-cum-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc.,						
a	22.00	Sq.m	Two Leaves with Four Shutter	Specials		5717.00	Rupees Five Thousand Seven Hundred Seventeen Only)	1 Sqm (One Square metre)	125774.00

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1	2	3	4	5	6	7	8	9	10
30	12.00	Sq.m	<b>Solid PVC door shutters</b> using 19 Gauge 19mm MS square tubes for styles and outer frames. 15mm MS square tubes for top, lock and bottom rails. The steel tubes shall be covered with 5mm thick solid PVC sheets. Shutter using 5mm thick solid PVC sheets for 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 75mm x 30mm. The over all size of frames shall be 50mm x 45mm, with suitable rabate for housing the shutter.			3167.00	Rupees Three Thousand One Hundred Sixty Seven Only)	1 Sqm (One Square metre)	38004.00
31	260.00	Sq.m	White washing two coats with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.			29.10	Rupees Twenty Nine and Ten Paise Only	1 Sqm (One Square metre)	7566.00
32	440.00	Sq.m	Colour washing Two Coats in all floors using best freshly burnt white shell lime and best quality of approved variety of colouring pigment including cost of lime, colouring pigments, fevicol type gum, brushes, scaffolding charges etc., complete complying with standard specification. Mineral colouring pigments not affected by lime should only be used (stainers and colour solutions should not be used.)			43.65	Rupees Forty Three and Sixty Five Paise Only	1 Sqm (One Square metre)	19206.00
33	480.00	Sq.m	Supplying and painting the walls with two coats of cement paint 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).			179.30	Rupees One Hundred Seventy Nine and Thirty Paise Only	1 Sqm (One Square metre)	86064.00

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1	2	3	4	5	6	7	8	9	10
34	80.00	Sq.m	Painting <b>new iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat 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.)	61	V, VI (S4)3	126.20	Rupees One Hundred Twenty Six and Twenty Paise Only	1 Sqm (One Square metre)	10096.00
35			Supplying, laying, fixing and jointing the following size of B Class GI Pipe of approved quality and best variety above ground level including fixing of GI specials but excluding cost of such specials and cutting and threading of pipes and also fixing to the wall with necessary Teak Wood Plugs, Clamps and screws making holes on the wall or drilling holes in roof and making good of the disturbed portions to original condition with necessary brick work and plastering wherever necessary with necessary scaffolding changes. The pipe are to be painted with two coats of good variety and best quality synthetic enamel paint over a coat of red oxide primer etc., complying with standard specification <b>.(above ground level).</b>						
a	5.00	Rm	15mm dia G.I Pipe	97 & 102		245.85	Rupees Two Hundred Forty Five and Eighty Five Paise Only	1Rm (One Running metre)	1229.00
b	5.00	Rm	20mm dia G.I Pipe			277.95	Rupees Two Hundred Seventy Seven and Ninety Five Paise Only	1Rm (One Running metre)	1390.00

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1	2	3	4	5	6	7	8	9	10
c	10.00	Rm	25mm dia G.I Pipe			310.10	Rupees Three Hundred Ten and Ten Paise Only	1Rm (One Running metre)	3101.00
36			Supplying and fixing in position first quality and approved variety of <b>Gun metal Gate Valve / Wheel Valve</b> with BIS make of the following dia including cost of shellac, thread balls, etc., complete complying with standard specifications (for both internal and external water supply arrangements). The valves to be used on work shall be got approved by the Executive Engineer before use on work.						
I			<b>Gate Valve</b>						
a	2.00	Nos	25mm Gun Metal full way Gate valve	Specials		917.20	Rupees Nine Hundred Seventeen and Twenty Paise Only	1 No (Each)	1834.00
37			Supplying and fixing in position <b>GI unions</b> of heavy duty of approved quality and good variety of various sizes including necessary cutting and threading of GI pipes for jointing the union and providing two coats of painting with good variety and approved quality of synthetic enamel paint over one coat of primer in case of pipe line above ground level / one coat of tar in case of below ground level for both internal and external water supply arrangements, etc., complete complying with standard specifications. (The GI unions should be got approved by Executive Engineer before use on works).						



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1	2	3	4	5	6	7	8	9	10
a	2.00	Nos	20mm Union	Specials		334.32	Rupees Three Hundred Thirty Four and Thirty Two Paise Only	1 No (Each)	669.00
b	3.00	Nos	25mm Union			363.12	Rupees Three Hundred Sixty Three and Twelve Paise Only	1 No (Each)	1089.00
38			Supplying and fixing in position the following GI Specials of heavy type and approved quality and good variety excluding fixing charges but including necessary cutting and threading of GI pipes, jointing the GI specials and painting with two coats with good variety and best quality synthetic enamel paint over a coat of red oxide primer and jointing the specials with pipe line using shellac etc., complete complying with standard specification. (The GI specials should be got approved by the Executive Engineer concerned before use on works.)						
I			<b>Elbow</b>						
a	4.00	Nos	25mm dia Elbow	Specials		119.15	Rupees One Hundred Nineteen and Fifteen Paise Only	1 No (Each)	477.00

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1	2	3	4	5	6	7	8	9	10
b	5.00	Nos	20mm dia Elbow			58.50	Rupees Fifty Eight and Fifty Paise Only	1 No (Each)	293.00
c	2.00	Nos	25mm dia Tee			178.00	Rupees One Hundred Seventy Eight Only)	1 No (Each)	356.00
d	4.00	Nos	20mm dia Tee			88.60	Rupees Eighty Eight and Sixty Paise Only	1 No (Each)	354.00
II			<b>Reducer Elbow</b>						
a	2.00	Nos	25 x 20 mm dia GI Reducer Elbow			99.05	Rupees Ninety Nine and Five Paise Only	1 No (Each)	198.00
b	2.00	Nos	20 x 15 mm dia GI Reducer Elbow			73.30	Rupees Seventy Three and Thirty Paise Only	1 No (Each)	147.00
III			<b>Reducer Tee</b>						
a	2.00	Nos	25 x 20 mm dia GI Reducer Tee			150.55	Rupees One Hundred Fifty and Fifty Five Paise Only	1 No (Each)	301.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
b	2.00	Nos	20 x 15 mm dia GI Reducer Tee			123.35	Rupees One Hundred Twenty Three and Thirty Five Paise Only	1 No (Each)	247.00
39	6.00	Nos	Supplying and fixing in position <b>Indian Water Closet (Oriya type) of size 580 x 440mm white glazed earthen ware</b> 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 <b>PVC pipes (including the cost of 110mm dia PVC pipe for a length of 600mm)</b> 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).	102 & 103		4990.00	Rupees Four Thousand Nine Hundred Ninety Only)	1 No (Each)	29940.00
40			Supplying and fixing in position best quality <b>PVC soil / waste pipes</b> of various dia having 6 kg / sq.cm. pressure BIS mark and providing leak proof joints using PVC adhesives including fixing to the wall with special PVC / MS clamp, teak wood plugs, brass screws, etc., and making connection to all sanitary fittings, dismantling masonry / RCC works wherever found necessary and making the good dismantled portion to the original condition, including testing for any leakages, etc., complete complying with standard specifications. (The PVC pipes should be got approved by the Executive Engineer before use on works). The rate for earth work excavation will be measured and paid separately in the cases where the pipe lines are proposed to laid below ground level						

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
a	5.00	Rm	110mm dia PVC soil pipe	Specials		447.65	Rupees Four Hundred Forty Seven and Sixty Five Paise Only	1Rm (One Running metre)	2238.00
41			Supplying and fixing in position PVC specials of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. (The PVC specials should be got approved by the Executive Engineer before use on works).						
			<b>PVC Plain Elbow</b>						
i	2.00	Nos	110mm dia PVC Plain Elbow	Specials		356.45	Rupees Three Hundred Fifty Six and Forty Five Paise Only	1 No (Each)	713.00
			<b>PVC Door Elbow</b>						
ii	2.00	Nos	110mm dia PVC Door Elbow			356.45	Rupees Three Hundred Fifty Six and Forty Five Paise Only	1 No (Each)	713.00
42	10.00	Rm	Supplying and fixing 10 KSC x 32 mm PVC pipe confirming to DIS and with ISI marking below ground level including excavation of trenches, laying the pipe refilling the trenches with sand one brick laid that to protect the pipe, including cost of necessary specials and testing.	Specials		186.80	Rupees One Hundred Eighty Six and Eighty Paise Only	1Rm (One Running metre)	1868.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
43			Supplying and fixing in position 15mm dia brass <b>CP screw down tap / Pillar tap (heavy duty)</b> 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)						
a	10.00	Nos	15mm dia CP Screw Down Tap	Specials		337.65	Rupees Three Hundred Thirty Seven and Sixty Five Paise Only	1 No (Each)	3377.00
44	1.00	Nos	Supplying and fixing of PVC ready made <b>WATER TANK of 1000 Ltr capacity</b> of best and approved quality with ISI specification and having inlet,outlet, overflow and clearing pipe arrangements and labour charges for fixing in position with all necessary accessories and transporting at site of work etc., complete complying as directed by the departmental officers	Specials		9600.00	Rupees Nine Thousand Six Hundred Only)	1 No (Each)	9600.00
45	1.00	Nos	Supplying and fixing of PVC ready made <b>WATER TANK of 500 Ltr</b> capacity of best and approved quality with ISI specification and having inlet,outlet, overflow and clearing pipe arrangements and labour charges for fixing in position with all necessary accessories and transporting at site of work etc., complete complying as directed by the departmental officers			4800.00	Rupees Four Thousand Eight Hundred Only)	1 No (Each)	4800.00
46	150.00	Rm	Drilling of 150mm (6") dia vertical bores in hard rock areas to any required depth as directed by the departmental officials. The rate is inclusive of assembling the equipment in the point as selected, drillingbore, labour charges for inserting casing pipe of necessary and also transportation charges for the rig and supporting vehicle to the bore point etc., complete complying with standard specification.	Specials		451.00	Rupees Four Hundred Fifty One Only)	1Rm (One Running metre)	67650.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
47	15.00	Rm	Supplying suitable PVC casing pipe for 6" dia borewell (6kg/cm <sup>2</sup> ) for 6" dia borewell of best quality with mark(The PVC pipe should be got approved by departmental officers before execution.)(PWD Sr Page 63/b-d)			549.00	Rupees Five Hundred Forty Nine Only)	1Rm (One Running metre)	8235.00
48	1.00	Nos	Supplying and fixing of suitable PVC endcap (6kg/cm <sup>2</sup> )for 6"dia borewell of best quality with mark (The PVC pipe should be got approved by departmental officers before execution.) (PWD Sr Page 67/C-d)	Specials		137.50	Rupees One Hundred Thirty Seven and Fifty Paise Only	1 No (Each)	138.00
49			Supplying of best and approved quality of <b>UPVC pipe commercial applications operate and designed to handle higher water pressure</b> the and following size including laying in the bore well and tying with copper wire etc., complete complying with standard specification. (PWD Sr Page No 68/D-b&d)						
a	170.00	Rm	Cost of 40mm dia UPVC pipes.	Specials		173.60	Rupees One Hundred and Seventy Three and Paise Sixty Only	1Rm (One Running metre)	29512.00
50	1.00	Set	Supplying and fixing of hydraulically tested 2.00 HP.3 phase Motor with submersible pump set with motor with ISI making as per specification for duty condition detailed below. The Motor fitted with the pump should be category suitable for installation in Bore well. The rate including cost of panel board with accessories switch starter and water level gauge (The pump set should be delivered at work site including freight charges etc. complete)	Specials		49054.00	Rupees Forty Nine Thousand Fifty Four Only)	1 Set One Set	49054.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
51	160.00	Rm	Supply and delivery of 3 core copper cable of 2.50 sq.m 1100V grade PVC insulated PVC sheathed water proof etc.(with excise duty)	Specials		161.00	Rupees One Hundred Sixty One Only)	1Rm (One Running metre)	25760.00
52	25.00	Rm	Supply and erecting of 19mm dia Nylon PVC Rope with approved Quality inside the bore well etc completed.	Specials		61.20	Rupees Sixty One and Twenty Paise Only	1Rm (One Running metre)	1530.00
<b>ELECTRICAL WORKS</b>									
53	22.00	Pt	Wiring with 2x1.5sqmm (22/0.3) PVC insulated unsheathed SC Cu. Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires with TW switch box and 5A F.T. switch in flush with wall with 3mm thick hylum sheet cover for making good of the concealed portion with suitable colour for <b>PVC concealed light point / fan point (For electronic regulator)</b>	Electrical Standard Specification		2340.00	Rupees Two Thousand Three Hundred Forty Only)	1 Pt (One Point)	51480.00
54	10.00	Pt	Wiring with 2 x 1.5 sqmm (22 / 0.3) PVC insulated SC unsheathed Copper conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories inflush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch and making good of the concealed portion with suitable Colour for <b>PVC concealed light (6 points Per coil) (For Rooms like Bath, Toilet &amp; Pump room etc.)</b>	Electrical Standard Specification		1583.00	Rupees One Thousand Five Hundred Eighty Three Only)	1 Pt (One Point)	15830.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
55	10.00	Pt	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, in flush with wall, with 150mm x 100mm x 113mm TW switch box with 3 mm thick Hylem sheet cover for <b>5 A 3 pin non inter locking</b> CS Plug with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour for concealed <b>PVC plug point</b> .	Electrical Standard Specification		1401.00	Rupees One Thousand Four Hundred One Only)	1 Pt (One Point)	14010.00
56	5.00	Pt	Wiring with 2x4 sqmm(56/0.3) PVC insulated SC unsheathed Cu.Conductor cable of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, in flush with wall, with 150mm x 100mm x 113mm TW switch box with 3mm thick hylem sheet for <b>15 A 3 pin non inter locking</b> CS plug with continuous earth wire connection of 14 SWG TC wire , and making good of the concealed portion, with suitable colour for concealed <b>power plug point</b> (SD-40)	Electrical Standard Specification		1765.00	Rupees One Thousand Seven Hundred Sixty Five Only)	1 Pt (One Point)	8825.00
57	20.00	Rm	Supply and run of 4 of 4sqmm (56/0.3) PVC insulated SC unsheathed Cu.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	Electrical Standard Specification		335.00	Rupees Three Hundred Thirty Five Only)	1Rm (One Running metre)	6700.00
58	20.00	Rm	Supply and run of 4 x 6 sq.mm (84/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V on 7/20 GI <b>bearer wire for service connection mains</b>	Electrical Standard Specification		286.00	Rupees Two Hundred Eighty Six Only)	1Rm (One Running metre)	5720.00



Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
59	3.00	Rm	Supply and run of 4 x 6 sq.mm (84/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in 32mm dia GI pipe (Class 'B') suitably bent at both ends with necessary angle iron up right and end supports for mains	Electrical Standard Specification		765.00	Rupees Seven Hundred Sixty Five Only)	1Rm (One Running metre)	2295.00
60	10.00	Nos	Supply and fixing of fancy glass shade and <b>11 W CFL</b> for BH point.	Electrical Standard Specification		251.00	Rupees Two Hundred Fifty One Only)	1 No (Each)	2510.00
61	2.00	Nos	Supply and fixing of <b>WT bulk head fitting</b> with guard (Philips / Bajaj / Crompton / K. Lite) suitable for 11W CFL lamp with CFL	Electrical Standard Specification		574.00	Rupees Five Hundred Seventy Four Only)	1 No (Each)	1148.00
62	10.00	Nos	Supply and fixing of single box type 4'40 W flu fitting complete with copper choke and condensor with TW round blocks on <b>wall or ceiling with flu tube</b> with PVC unsheathed Copper leads from terminals to the fitting.	Electrical Standard Specification		604.00	Rupees Six Hundred Four Only)	1 No (Each)	6040.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
63	2.00	Nos	Supply and fixing of 4'40 W <b>twin street light flu. fitting</b> complete With copper choke and condensor with 19mm dia GI pipe (Class 'B') with 1 No. 19mm GI Bend complete on the existing post / wall With 16 A aerial fuse unit on MS plate with PVC unsheathed Cu. leads, with MS clarnps and aluminium painting with Flu. Tubes	Electrical Standard Specification		2016.00	Rupees Two Thousand Sixteen Only)	1 No (Each)	4032.00
64	10.00	Nos	Supply and fixing of 1200 mm (48") <b>AC ceiling fan</b> complete with stepped electronic 300W regulator with 300mm down rod on the existing clamp.	Electrical Standard Specification		2074.00	Rupees Two Thousand Seventy Four Only)	1 No (Each)	20740.00
65	1.00	Nos	Supply and fixing of <b>TNEB meter Board</b> suitable for 32A Three Phase service connection with 3 Nos. 32A Fuse unit (500V) 32A neutral link and earth link (1" x 1/8" Copper flat) on TW plank of size 600mm x 450mm x 19mm with supporting TW reepers of 1" thick an either side with painting with suitable bolt and nuts for fixing the TW plank on wall with earth connection and inter connection with 7/20 PVC insulated copper wire from EB meter to fuse unit.	Electrical Standard Specification		1872.00	Rupees One Thousand Eight Hundred Seventy Two Only)	1 No (Each)	1872.00

Si. No	Qty	Units	Description	TNBP No	NBC	Rate Rupees in Figures	Rate Rupees in words	Units	Amount in Rupees
1	2	3	4	5	6	7	8	9	10
66	1.00	Nos	Supply and fixing of 4way SP DB of 16A / Way with <b>16A DP switch</b> with metal clad of 500 V (Side Handle) F&N on suitable angle iron frame work with trunking box MS cable entry box with earth connection.	Electrical Standard Specification		2468.00	Rupees Two Thousand Four Hundred Sixty Eight Only)	1 No (Each)	2468.00
67	1.00	Nos	Supply and fixing of 3 Phase 4 wire ICDB of 16 A per way, with 32 A TPN MC switch with suitable trunking box MS cable entry boxes and internal connection on suitable angle, iron frame work with earth connection only.	Electrical Standard Specification		5638.00	Rupees Five Thousand Six Hundred Thirty Eight Only)	1 No (Each)	5638.00
68	2.00	Pt	<b>Earthing</b> as per P.W.D standard with an earth electrode of 2 Mtr. Class 'B' GI pipe of dia not less than 32mm complete with necessary masonry work.	Electrical Standard Specification		2167.00	Rupees Two Thousand One Hundred Sixty Seven Only)	1 Pt (One Point)	4334.00
<b>Total for Basic Rate (Rupees Forty Four Lakh Forty Nine Thousand Six Hundred and Forty Two Only</b>									<b>4449642.00</b>
<b>GST @ 12%</b>									<b>533957.00</b>
<b>Total Value (Rupees Forty Nine LakhEighty Three Thousand Five Hundred and Ninety Nine Only)</b>									<b>4983599.00</b>

**Schedule – 'B' CONTD...**

LIST OF DRAWINGS			SUPPLEMENTAL LIST			
Note All drawings to be signed by the Contractor as well as the Officer entering into the contract			As referred to in the specifications (including the preliminary specification of the Madras Detailed standard specifications).			
Sl. No.	Drawing Number	Description	Sl. No.	Drawing Number	Description	Date on which the drawing was supplied
1	2	3	4	5	6	7
	CONSTRUCTION OF ADW COMMUNITY HALL AT K.KODIKULAM VILLAGE (THIRUPULANI UNION) IN RAMANATHAPURAM DISTRICT.					

**CONTRACTOR**

**GENERAL MANAGER (Tech.,)  
TAHDCO, CHENNAI -18**