

Name of work :- Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa, Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)

MATERIAL STATEMENT

Sr. No.	MATERIALS	QUANTITY	UNIT	PLACE OF DELIVERY
1	Cement (O.P.C)	61.76	M.T	Contractor should brought at site work from Open market of IS approved Quality by his own cost including carting.
2	TMT 500D BARS	9.090	M.T	Contractor should brought at site work from Open market of IS approved Quality by his own cost including carting.

**Deputy Executive Engineer
R & B (Pan) Sub Division
Gandhinagar**

**Executive Engineer,
R & B (Pan) Division
Gandhinagar**

Name of work :- Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa,
Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)

P O L - STATEMENT

Sr. No.	Description	Amount	
1	Amount Put to Tender	= 38,39,512.32	A
2	Cost of Cement	= 3,23,253.62	B
3	Cost of Steel	= 5,40,127.80	C
4	Cost of Asphalt	= -	D
5	Cost of DTP's except Cement, Steel and Asphalt	= 29,76,130.90	E
6	Cost of Other Materials	= 13,86,091.52	F
7	Cost of POL	= 1,11,143.16	G
8	Cost of Labour & Machinery H = E - (F + G)	= 14,78,896.22	H
9	Cost of Labour (70% of Sr. No. 9)	= 10,35,227.36	I
10	Cost of Machinery (30% of Sr. No. 9)	= 4,43,668.87	J
11	Cement Component $\frac{3,23,253.62}{38,39,512.32} \times 100$	=	8.42 % Age
12	Steel Component $\frac{5,40,127.80}{38,39,512.32} \times 100$	=	14.07 % Age
13	Asphalt Component $\frac{-}{38,39,512.32} \times 100$	=	- % Age
14	Other Mate. Component $\frac{13,86,091.52}{38,39,512.32} \times 100$	=	36.10 % Age
15	POL Component $\frac{1,11,143.16}{38,39,512.32} \times 100$	=	2.89 % Age
16	Labour Component $\frac{10,35,227.36}{38,39,512.32} \times 100$	=	26.96 % Age
17	Machinery Component $\frac{4,43,668.87}{38,39,512.32} \times 100$	=	11.56 % Age

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COST OF BASIC MATERIALS

Sr. No.	Materials	Qty.	Unit	Rate	Per	Amount in Rs.
1	2	3	4	5	6	7
1	Cement	61.760	MT	5234.00	MT	3,23,253.62
2	Steel - 500D	9.09	MT	59420.00	MT	5,40,127.80

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<u>COST OF BASIC MATERIALS</u>							
Sr. No.	Materials	Qty.	Unit	Rate	Material Part	Per	Amount in Rs.
1	2	3	4	5		6	7
1	Kapchi (20 mm & 10mm)	280.51	Cmt	525.53	100%	Cmt	1,47,417.47
2	Coarse Sand	233.00	Cmt	292.95	100%	Cmt	68,256.76
3	Brick	50730.00	No	3.083	100%	No	1,56,400.59
4	Termite Controal Chemical Solution	129.00	Sqm	53.18	100%	Sqm	6,860.22
5	Door Single shutter 35 mm.thick flush door teak wood	17.10	Sqm	6323.00	90%	Sqm	97,310.97
6	Anodized Alluminum Section Jindal Deluxe Sliding Window System C (20mm)	14.40	Sqm	3865.00	90%	Sqm	50,090.40
7	Standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm	12.60	Sqm	1163.92	85%	Sqm	12,465.58
8	Safty Grills	540.00	Kgs	110.30	80%	Kgs	47,649.60
9	Machine polished Granite Stone Slab 18mm thick	39.00	Sqm	3248.00	75%	Sqm	95,004.00
10	Both Side Mirror polished Granite stone slab 18mm (Average) thick	18.00	Sqm	1949.00	75%	Sqm	26,311.50
11	Vitrified Tiles	219.00	Sqm	211.86	100%	Sqm	46,397.34
12	Ceramic Tiles	6.00	Sqm	211.86	100%	Sqm	1,271.16
13	Glazed Tiles	36.00	Sqm	211.86	100%	Sqm	7,626.96
14	Epoxy grout 3 mm width and 8 to 10 mm deep	42.00	Sqm	40.00	80%	Sqm	1,344.00
15	pre-cast Rubber Dye	48.00	Sqm	377.12	100%	Sqm	18,101.76
16	Chaina mosaic tiles	195.00	Sqm	211.86	100%	Sqm	41,312.70
17	Mirror polished Machine polished Grenite stone slab 18mm thick for doors & windows	24.00	Sqm	3362.00	75%	Sqm	60,516.00
18	Putty	309.00	Sqm	18.24	100%	Sqm	5,636.16

<u>COST OF BASIC MATERIALS</u>							
Sr. No.	Materials	Qty.	Unit	Rate	Material Part	Per	Amount in Rs.
1	2	3	4	5		6	7
19	Primer	750.00	Sqm	16.36	100%	Sqm	12,270.00
20	Plastic Emulsion Paint	117.60	Lit.	166.10	100%	Lit.	19,533.36
21	White cement	0.42	MT	27343.75	100%	MT	11,593.75
22	U PVC Pipe SCH-40 - 15 mm	45.00	Rmt.	21.19	100%	Rmt.	953.55
23	U PVC Pipe SCH-40 - 25 mm	60.00	Rmt.	42.37	100%	Rmt.	2,542.20
24	U PVC Pipe SCH-40 - 40 mm	30.00	Rmt.	69.49	100%	Rmt.	2,084.70
25	uPVC Heavy Duty Handle valve : 25mm dia.	3.00	Nos.	465.00	85%	Nos.	1,185.75
26	uPVC Heavy Duty Handle valve : 40mm dia.	3.00	Nos.	679.00	85%	Nos.	1,731.45
27	75 diameter U.P.V.C (Type B)	6.00	Rmt.	748.73	70%	Rmt.	3,144.67
28	10.0 Kg. F/Cm2 working pressure poluthene pipes	27.00	Rmt.	335.69	90%	Rmt.	8,157.27
29	110 diameter U.P.V.C (Type B)	15.00	Rmt.	868.22	70%	Rmt.	9,116.31
30	Nahni Trap : 100 mm	9.00	Nos.	59.320	100%	Nos.	533.88
31	Bib Tap : 15 mm	6.00	Nos.	158.47	100%	Nos.	950.82
32	Piller Tap : 15 mm	6.00	Nos.	261.86	100%	Nos.	1,571.16
33	Wash basin : 550 mm x 400 mm	3.00	Nos.	550.85	100%	Nos.	1,652.55
34	Wash down water closet	3.00	Nos.	1343.38	100%	Nos.	4,030.14
35	Water Tank	3000.00	Lit.	3.91	100%	Lit.	11,730.00
36	Mirror of superior glass mounted	3.00	Nos.	850.90	80%	Nos.	2,042.16
37	C.P. brass towel rail : 600mm x 20mm size.	3.00	Nos.	610.32	70%	Nos.	1,281.67
38	Gully Trap : 150 mm x 100 mm	3.00	Nos.	54.24	100%	Nos.	162.72
39	CP brass screw down stop cock of approved quality 15mm size	12.00	Nos.	203.79	80%	Nos.	1,956.38

<u>COST OF BASIC MATERIALS</u>							
Sr. No.	Materials	Qty.	Unit	Rate	Material Part	Per	Amount in Rs.
1	2	3	4	5		6	7
40	Sock Pit of 8.00 cmt Volume	3.00	Nos.	26264.00	80%	Nos.	63,033.60
41	Weather proof exterior emulsion paint	354.00	Sqm	166.10	100%	Sqm	58,799.40
42	Sandwitch Platform of 16 to 18 mm thick Polished Black Granite at top and 25 mm thick Kota stone slab	9.00	Rmt.	5810.00	70%	Rmt.	36,603.00
43	Stainless steel kitchen sink glossy ASIS 304 grade and 1 mm thick with overall size 510mm x 432mm x 330mm deep having bowl size 410mm x365mm x 165mm	3.00	Rmt.	1772.00	70%	Rmt.	3,721.20
44	Writing Black Japan Paint	9000.00	Nos	3.64	80%	Nos	26,208.00
45	Water Harvesting	3.00	Nos	25930.00	80%	Nos	62,232.00
46	Dry Chemical Powder type 6 Kg. Capacity fire extinguisher	6.00	No	2600.00	100%	No	15,600.00
47	90 cm high Stainless steel railing made from anticorrocive S S pipe of 50 mm dia (16Gauge) as hand rail with S S 38 mm dia (16Gauge)	10.20	Rmt.	3213.00	80%	Rmt.	26,218.08
48	Brushes	30.00	No	30.51	100%	No	915.30
49	Sand paper	25.00	No	30.51	100%	No	762.75
50	All Electrification Work	1.00	Job	129750.66	80%	Job	1,03,800.53
Total						=	13,86,091.52
<div style="display: flex; justify-content: space-between;"> <div> Deputy Executive Engineer R & B (Pan) Sub Division Gandhinagar </div> <div> Executive Engineer R & B (Pan) Division Gandhinagar </div> </div>							

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CALCULATION OF MATERIALS

It. No.	Brief Description	Qty.	Unit	Kapchi (20 mm & 10 mm)		Coarse Sand	
1	2	3	4	5		6	
3	Filling foundation and plinth with sand under floors including watering, ramming and consolidating dressing etc, comp.	27.00	Cu.m	0.00	0.00	1.00	27
7	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	7.80	Cu.m	0.88	6.864	0.44	3.432
8	Providing and laying cement concret 1:1.5:3 (1 Cement : 1.5 coase sand : 3 graded stone aggregate 20mm nominal size) and curing complete excuding cost of form work and reinforcement for reinforced cement concrete work in (a) Foundation footing base of column and mass concrete	8.70	Cu.m	0.84	7.308	0.42	3.654
9	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in column Upto plinth level.	6.00	Cu.m	0.84	5.04	0.42	2.52
10	Providing & laying cement concrete 1: 3 : 6 (1 Cement : 3 Coarse sand : 6 graded B.T stone aggregate 20mm nominal size) Curing comp. including cost of form work in foundation and plinth.	36.00	Cu.m	0.92	33.12	0.46	16.56
11	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in column for All Floor	6.90	Cu.m	0.84	5.80	0.42	2.90
12	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work (c) PLINTH BEAM	9.30	Cu.m	0.84	7.812	0.42	3.906
13	Providing and laying nominal cement concrete M-150 in R.C.C. 1:2 :4 (1 cement : 2 coarse sand : 4 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work PLINTH Slab .	9.60	Cu.m	0.88	8.448	0.44	4.22
14	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in BEAMS For All Floor.	9.30	Cu.m	0.84	7.812	0.42	3.91
15	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in LINTELS All Floor.	3.90	Cu.m	0.84	3.28	0.42	1.64
16	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1 1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in CHHAJJAS All Floor.	0.90	Cu.m	0.84	0.76	0.42	0.38
17	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1 1/2 coarse sand : 3 graded stone agregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in slabs for All Floor.	27.00	Cu.m	0.84	22.68	0.42	11.34
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq.m. in foundation and plinth in cement mortar 1:6 (1 cement:6 fine sand) (b) Conventional.	33.00	Cu.m	0.00	0	0.25	8.25

It. No.	Brief Description	Qty.	Unit	Kapchi (20 mm & 10 mm)		Coarse Sand	
1	2	3	4	5		6	
20	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 (1 cement : 6 Fine sand) in super structure above plinth level upto floor two level (for G.F) Conventional	63.00	Cu.m	0.00	0	0.25	15.75
21	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg./sq.cm. in cement mortar 1:3 (1 cement : 3 coarse sand) with 2nos. of 6mm dia mild steel round bars every three coarse embedded in cement mortar in superstructure for Ground floor (Conventional)	18.00	Sqm	0.00	0	0.025	0.45
26	Providing and laying Machine cut, Free edges, Machine polished Granite stone slab 18 mm thick {Single piece not more than 150 cm } for stair steps and riser as per design incl. full moulded round front edge & 1 cm nosing & necessary groove on trade of steps laid on 20 mm thick cement mortar 1:6 (1 -cement : 6 coarse sand) jointed with grey cement slurry including rubbing and polishing etc. complete	39.00	Sqm	0.00	0.00	0.024	0.94
28	Providing and laying 60 x 60cm Soluble Salt Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect (10% Dark colour tiles Pattern) in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	204.00	Sqm	0.00	0.00	0.0176	3.59
29	Providing and laying 60 x 60cm Soluble salt Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect (10% Dark colour tiles Pattern) in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	15.00	Sqm	0.00	0.00	0.012	0.18
30	Providing and laying 30cm x 30cm in size Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement	6.00	Sqm	0.00	0.00	0.0176	0.11
31	Providing and laying 30 x 60Cm size premium printed glazed tiles 6mm thick in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	36.00	Sqm	0.00	0.00	0.012	0.43
33	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete	48.00	Sqm	0.00	0.00	0.35	16.80
34	Providing and laying water proofing tretment with chaina mosaic tiles flooring over avg 40 mm C.C. 1:2:4 (1 Cement, 2 sand, 1 Kapchi 20mm + 3 grit 6mm to 10mm) bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one or more color as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) containg one Kg. of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any pattens or design as per drawing and cleaning by using oxalic acid etc complete.	195.00	Sqm	0.88	171.60	0.44	85.80
35	Providing and laying Mirror polished Machine polished Grenite stone slab 18mm (Average) thick for doors & windows sill & Jams clading as per design including full moulded round front steps & 1cm nosing & necessary groove on trades of steps :laid on 20mm thick cement mortar 1:6 (1 cement : 6 coarse sand) jointed with gray cement slurry including rubbing and polsihing etc. complete.for Doors / windows sill & jams clading.	24.00	Sqm	0.00	0.00	0.024	0.58
36	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trovel including scaffolding curing etc. complete. For Ground Floor	309.00	Sqm	0.00	0.00	0.024	7.42

It. No.	Brief Description	Qty.	Unit	Kapchi (20 mm & 10 mm)		Coarse Sand	
1	2	3	4	5		6	
37	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) including finishing with a flating coat of neat cement slurry etc. complete. for Ground Floor	132.00	Sqm	0.00	0.00	0.012	1.58
40	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) with 1cm x 1cm grooves as per pattern sample approved by the engineer incharge etc. complete.	354.00	Sqm	0.00	0.00	0.024	8.50
57	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	3.00	No	0.00	0.00	0.024	0.07
59	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions, total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	9.00	No	0.00	0.00	0.050	0.45
60	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	3.00	No	0.00	0.00	0.050	0.15
63	Constructing Sandwich Platform of 18 mm thick Polished Black Granite at top and 25 mm thick Kota stone slab using cement mortar 1:3 for sandwich and fitting at bottom & edges with waterproof rigid adhesives including macking necessary grooves in walls with Vertical Kotastone 30 mm x 2 No sandwich thick every 60 cm centre to cenre including all labour material of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	9.00	Sqm	0.00	0.00	0.024	0.22
65	Providing thoruting or plaster drip and moulding to R.C.C. chhajja.	12.00	Rmt	0.00	0.00	0.024	0.29
Total					280.51		233.00
Say					281.00		233.00
M.T					423.57		328.53

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CALCULATION OF BRICKS

It. No.	Brief Description	Unit	Qty.	Nos./Cum	Total
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq.m. in foundation and plinth in cement mortar 1:6 (1 cement:6 fine sand) (b) Conventional.	Cu.m	33.00	500.00	16500.00
20	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 (1 cement : 6 Fine sand) in super structure above plinth level upto floor two level (for G.F) Conventional	Cu.m	63.00	500.00	31500.00
21	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg./sq.cm. in cement mortar 1:3 (1 cement : 3 coarse sand) with 2nos. of 6mm dia mild steel round bars every three coarse embedded in cement mortar in superstructure for Ground floor (Conventional)	Sqm	18.00	60.00	1080.00
57	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P of R type	No	3.00	95.00	285.00

59	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions, total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	No	9.00	110.00	990.00
60	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	No	3.00	125.00	375.00
				Total	50730.00
<div> <div>Deputy Executive Engineer R & B (Pan) Sub Division Gandhinagar</div> <div>Executive Engineer R & B (Pan) Division Gandhinagar</div> </div>					

Name of work :- Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa, Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)

Calculation for Cost of POL

No.	Materials	Amount in Rs.	
1	Excavation ,Cutting, Filling = 275.16 Cmt 8 Cmt / Hour No. Hours = 275.16 / 8.00 = 34.40 Hours JCB Breaker Used = 34.40 Hours Diesel = 5.00 Liter / Hour Oil = 0.10 Liter / Hour Diesel Consumed = 171.98 Liter Oil Consumed = 3.44 Liter Diesl Cost = 171.98 x 90.58 = 15577.50 Oil Cost = 3.44 x 400.00 = 1375.80 Total = 16,953.30		1
2	Cement = 61.76 MT 25 MT / Trip - Average Lead Km. = 50.00 Near Gandhinagar No. of trips = 61.76 / 25.00 = 2.47 Trips Distance Travelled = 2.47 x 50.00 = 123.52 Km Diesel = 5.00 Km. / Liter Oil = 140.00 Km. / Liter Diesl Cost = 123.52 / 5.00 x 90.58 = 2237.70 Oil Cost = 123.52 / 140.00 x 400.00 = 352.9162286 Total = 2,590.62		2
3	Steel = 9.09 MT 25 MT / Trip - Average Lead Km. = 50.00 Near Gandhinagar No. of trips = 9.09 / 25.00 = 0.36 Trips Distance Travelled = 0.36 x 50.00 = 18.18 Km Diesel = 5.00 Km. / Liter Oil = 140.00 Km. / Liter Diesl Cost = 18.18 / 5.00 x 90.58 = 329.35 Oil Cost = 18.18 / 140.00 x 400.00 = 51.94 Total = 381.29		3
4	Kapchi (20 mm & 10mm) = 280.51 Cu.m 14 Cu.m / Trip - Average Lead Km. = 80.00 Vatrak No. of trips = 280.51 / 80.00 = 20.04 Trips Distance Travelled = 20.04 x 80.00 = 1602.93 Km Diesel = 5.00 Km. / Liter Oil = 140.00 Km. / Liter Diesl Cost = 1602.93 / 5.00 x 90.58 = 29038.60 Oil Cost = 1602.93 / 140.00 x 400.00 = 4579.79 Total = 33,618.39		4
5	Coarse Sand = 233.00 Cu.m 14 Cu.m / Trip - Average Lead Km. = 50.00 Near Sabarmati River No. of trips = 233.00 / 14.00 = 16.64 Trips Distance Travelled = 16.64 x 50.00 = 832.14 Km Diesel = 5.00 Km. / Liter Oil = 140.00 Km. / Liter Diesl Cost = 832.14 / 5.00 x 90.58 = 15074.97 Oil Cost = 832.14 / 140.00 x 400.00 = 2377.53 Total = 17,452.50		5

Calculation for Cost of POL

No.	Materials				Amount in Rs.	
6 Brick	=	50730.00	Nos			
7000 Nos / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
No. of trips	=	50730.00 /	7000.00 =	7.25	Trips	
Distance Travelled	=	7.25 x	50.00 =	362.36	Km	
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	362.36 /	5.00 x	90.58 =	6564.46	
Oil Cost	=	362.36 /	140.00 x	400.00 =	1035.31	
Total					=	7,599.77 6
7 Concrete	=	125.40	Cu.m			
25 Cu.m / Hour						
No. Hour	=	125.40 /	25.00 =	5.02	Hour	
RMC Plant	=	5.02 Hour				
Diesel	=	18.00 Liter / Hour				
Oil	=	0.10 Liter / Hour				
Diesel Consumed	=	90.29 Liter				
Oil Consumed	=	0.50 Liter				
Diesl Cost	=	90.29 x	90.58 =	8178.29		
Oil Cost	=	0.50 x	400.00 =	200.64		
Total					=	8,378.93 7
8 Tiles	=	261.00	Sq.m			
500 Sq.m / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
No. of trips	=	261.00 /	500.00 =	0.52	Trips	
Distance Travelled	=	0.52 x	50.00 =	26.10	Km	
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	26.10 /	5.00 x	90.58 =	472.83	
Oil Cost	=	26.10 /	140.00 x	400.00 =	74.57	
Total					=	547.40 8
9 Marble/Kota/Granite	=	90.00	Sq.m			
400 Sq.m/ Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
No. of trips	=	90.00 /	400.00 =	0.23	Trips	
Distance Travelled	=	0.23 x	50.00 =	11.25	Km	
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	11.25 /	5.00 x	90.58 =	203.81	
Oil Cost	=	11.25 /	140.00 x	400.00 =	32.14	
Total					=	235.95 9
10 Wood Frame Door	=	17.10	Sq.m			
15 Sq.m / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
No. of trips	=	17.10 /	15.00 =	1.14	Trips	
Distance Travelled	=	1.14 x	50.00 =	57.00	Km	
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	57.00 /	5.00 x	90.58 =	1032.61	
Oil Cost	=	57.00 /	140.00 x	400.00 =	162.86	
Total					=	1,195.47 10

Calculation for Cost of POL

No.	Materials					Amount in Rs.	
11 Alluminum Section							
11		=	27.00	Sq.m			
	30 Sq.m / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	27.00 / 30.00	=	0.90 Trips		
	Distance Travelled	=	0.90 x 50.00	=	45.00 Km		
	Diesel	=	5.00 Km. / Liter				
	Oil	=	140.00 Km. / Liter				
	Diesl Cost	=	45.00 / 5.00	x 90.58	=	815.22	
	Oil Cost	=	45.00 / 140.00	x 400.00	=	128.57	
					Total	=	943.79 11
12 Safty Grills							
		=	540.00	Kgs			
	500 Kg / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	540.00 / 500.00	=	1.08 Trips		
	Distance Travelled	=	1.08 x 50.00	=	54.00 Km		
	Diesel	=	5.00 Km. / Liter				
	Oil	=	140.00 Km. / Liter				
	Diesl Cost	=	54.00 / 5.00	x 90.58	=	978.26	
	Oil Cost	=	54.00 / 140.00	x 400.00	=	154.29	
					Total	=	1,132.55 12
13 Epoxy / Chiken mesh jali							
		=	42.00	Sqm			
	500 Sqm / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	42.00 / 500.00	=	0.08 Trips		
	Distance Travelled	=	0.08 x 50.00	=	4.20 Km		
	Diesel	=	5.00 Km. / Liter				
	Oil	=	140.00 Km. / Liter				
	Diesl Cost	=	4.20 / 5.00	x 90.58	=	76.09	
	Oil Cost	=	4.20 / 140.00	x 400.00	=	12.00	
					Total	=	88.09 13
14 China Mosaic							
		=	195.00	Sq.m			
	750 Sq.m / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	195.00 / 750.00	=	0.26 Trips		
	Distance Travelled	=	0.26 x 50.00	=	13.00 Km		
	Diesel	=	5.00 Km. / Liter				
	Oil	=	140.00 Km. / Liter				
	Diesl Cost	=	13.00 / 5.00	x 90.58	=	235.51	
	Oil Cost	=	13.00 / 140.00	x 400.00	=	37.14	
					Total	=	272.65 14
15 Birla or Asian acrylic lapy (Putty)							
		=	0.21	MT	1Kg per 0.5 Sq.m		
	20MT / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	0.21 / 20.00	=	0.01 Trips		
	Distance Travelled	=	0.01 x 50.00	=	0.52 Km		
	Diesel	=	5.00 Km. / Liter				
	Oil	=	140.00 Km. / Liter				
	Diesl Cost	=	0.52 / 5.00	x 90.58	=	9.33	
	Oil Cost	=	0.52 / 140.00	x 400.00	=	1.47	
					Total	=	10.80 15

Calculation for Cost of POL

No.	Materials				Amount in Rs.	
16 Primer On Putty	=		117.60	Lit.		
200 lit. / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	117.60 /	200.00 =	0.59 Trips		
Distance Travelled	=	0.59 x	50.00 =	29.40 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	29.40 /	5.00 x	90.58 =	532.61	
Oil Cost	=	29.40 /	140.00 x	400.00 =	84.00	
Total					=	616.61 16
17 Plastic Emulsion Paint	=		117.60	Lit.		
200 lit. / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	117.60 /	200.00 =	0.59 Trips		
Distance Travelled	=	0.59 x	50.00 =	29.40 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	29.40 /	5.00 x	90.58 =	532.61	
Oil Cost	=	29.40 /	140.00 x	400.00 =	84.00	
Total					=	616.61 17
18 White cement	=		0.42	MT		
10MT / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	0.42 /	10.00 =	0.04 Trips		
Distance Travelled	=	0.04 x	50.00 =	2.12 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	2.12 /	5.00 x	90.58 =	38.41	
Oil Cost	=	2.12 /	140.00 x	400.00 =	6.06	
Total					=	44.46 18
19 Stainless steel railing made from anticorrosive S S pipe	=		10.20	RMT		
50 Rmt. / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	10.20 /	50.00 =	0.20 Trips		
Distance Travelled	=	0.20 x	50.00 =	10.20 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	10.20 /	5.00 x	90.58 =	184.78	
Oil Cost	=	10.20 /	140.00 x	400.00 =	29.14	
Total					=	213.93 19
20 U PVC Pipe / C PVC /PVC	=		156.00	RMT		
100 Rmt. / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	156.00 /	100.00 =	1.56 Trips		
Distance Travelled	=	1.56 x	50.00 =	78.00 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	78.00 /	5.00 x	90.58 =	1413.05	
Oil Cost	=	78.00 /	140.00 x	400.00 =	222.86	
Total					=	1,635.91 20
21 U PVC Heavy Duty Handle valve / MS Z clamp on Wall/HDPE Pipe	=		6.00	No		
100 No. / Trip - Average Lead Km.	=		50.00	Near Gandhinagar		
No. of trips	=	6.00 /	100.00 =	0.06 Trips		
Distance Travelled	=	0.06 x	50.00 =	3.00 Km		
Diesel	=	5.00 Km. / Liter				
Oil	=	140.00 Km. / Liter				
Diesl Cost	=	3.00 /	5.00 x	90.58 =	54.35	
Oil Cost	=	3.00 /	140.00 x	400.00 =	8.57	
Total					=	62.92 21

Calculation for Cost of POL

No.	Materials				Amount in Rs.	
22	Pressure Poluthene Pipes/Flat Flexible cable					
		=	27.00	RMT		
	50 Rmt. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar		
	No. of trips	=	27.00 /	50.00 =	0.54 Trips	
	Distance Travelled	=	0.54 x	50.00 =	27.00 Km	
	Diesel	=	5.00 Km. / Liter			
	Oil	=	140.00 Km. / Liter			
	Diesl Cost	=	27.00 /	5.00 x	90.58 =	489.13
	Oil Cost	=	27.00 /	140.00 x	400.00 =	77.14
			Total	=	566.27	22
23	Nahni Trap / Bib Tap / Piller Tap / Wash basin / Wash down water closet / Special Needs Range CRUSE SET / Gully Trap /					
		=	30.00	No		
	18 No. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar		
	No. of trips	=	30.00 /	18.00 =	1.67 Trips	
	Distance Travelled	=	1.67 x	50.00 =	83.33 Km	
	Diesel	=	5.00 Km. / Liter			
	Oil	=	140.00 Km. / Liter			
	Diesl Cost	=	83.33 /	5.00 x	90.58 =	1509.67
	Oil Cost	=	83.33 /	140.00 x	400.00 =	238.10
			Total	=	1,747.76	23
24	Water Tank					
		=	3000.00	Lit.		
	2000 lit./ Trip - Average Lead Km.	=	50.00	Near Gandhinagar		
	No. of trips	=	3000.00 /	2000.00 =	1.50 Trips	
	Distance Travelled	=	1.50 x	50.00 =	75.00 Km	
	Diesel	=	5.00 Km. / Liter			
	Oil	=	140.00 Km. / Liter			
	Diesl Cost	=	75.00 /	5.00 x	90.58 =	1358.70
	Oil Cost	=	75.00 /	140.00 x	400.00 =	214.29
			Total	=	1,572.99	24
25	Weather Proof Exterior Emulsion Paint					
		=	94.40	Lit.		
	200 lit./ Trip - Average Lead Km.	=	50.00	Near Gandhinagar		
	No. of trips	=	94.40 /	200.00 =	0.47 Trips	
	Distance Travelled	=	0.47 x	50.00 =	23.60 Km	
	Diesel	=	5.00 Km. / Liter			
	Oil	=	140.00 Km. / Liter			
	Diesl Cost	=	23.60 /	5.00 x	90.58 =	427.54
	Oil Cost	=	23.60 /	140.00 x	400.00 =	67.43
			Total	=	494.97	25
26	Mirror of superior glass mounted/C.P. brass towel rail /CP brass screw /C.I. Manhole cover / S.S Butterfly valve					
		=	18.00	No		
	20 No. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar		
	No. of trips	=	18.00 /	20.00 =	0.90 Trips	
	Distance Travelled	=	0.90 x	50.00 =	45.00 Km	
	Diesel	=	5.00 Km. / Liter			
	Oil	=	140.00 Km. / Liter			
	Diesl Cost	=	45.00 /	5.00 x	90.58 =	815.22
	Oil Cost	=	45.00 /	140.00 x	400.00 =	128.57
			Total	=	943.79	26

Calculation for Cost of POL

No.	Materials					Amount in Rs.	
27	Sandwitch Platform Material / Stainless steel kitchen sink glossy						
		=	12.00	Rmt			
	50 Rmt. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	12.00 /	50.00 =	0.24	Trips	
	Distance Travelled	=	0.24 x	50.00 =	12.00	Km	
	Diesel	=	5.00	Km. / Liter			
	Oil	=	140.00	Km. / Liter			
	Diesl Cost	=	12.00 /	5.00 x	90.58 =	217.39	
	Oil Cost	=	12.00 /	140.00 x	400.00 =	34.29	
					Total	=	251.68 27
28	Brushes / sand paper/Black Japan Paint						
		=	9055.00	Nos.			
	1000 Nos. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	9055.00 /	1000.00 =	9.06	Trips	
	Distance Travelled	=	9.06 x	50.00 =	452.75	Km	
	Diesel	=	5.00	Km. / Liter			
	Oil	=	140.00	Km. / Liter			
	Diesl Cost	=	452.75 /	5.00 x	90.58 =	8202.02	
	Oil Cost	=	452.75 /	140.00 x	400.00 =	1293.57	
					Total	=	9,495.59 28
29	Pre-cast Rubber Dye / steel Dye inter locking concrete block M300						
		=	2048.00	32 Nos. per 1 Sq.mt			
	5000 Nos / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	2048.00 /	5000.00 =	0.41	Trips	
	Distance Travelled	=	0.41 x	50.00 =	20.48	Km	
	Diesel	=	5.00	Km. / Liter			
	Oil	=	140.00	Km. / Liter			
	Diesl Cost	=	20.48 /	5.00 x	90.58 =	371.02	
	Oil Cost	=	20.48 /	140.00 x	400.00 =	58.51	
					Total	=	429.53 29
30	All Electrification Work						
		=	1.00	Nos.			
	1 Nos. / Trip - Average Lead Km.	=	50.00	Near Gandhinagar			
	No. of trips	=	1.00 /	1.00 =	1.00	Trips	
	Distance Travelled	=	1.00 x	50.00 =	50.00	Km	
	Diesel	=	5.00	Km. / Liter			
	Oil	=	140.00	Km. / Liter			
	Diesl Cost	=	50.00 /	5.00 x	90.58 =	905.80	
	Oil Cost	=	50.00 /	140.00 x	400.00 =	142.86	
					Total	=	1,048.66 30
					Net Total	=	1,11,143.16 Rs.
	Deputy Executive Engineer R & B (Pan) Sub Division Gandhinagar			Executive Engineer R & B (Pan) Division Gandhinagar			

Name of work :- Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa, Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)

ERROR STATEMENT

A	Amount Put To Tender	=	Rs	3839512.32
B	Amount Not Put To Tender	=	Rs	952170.00
(i)	ADD 18% GST	=	Rs	691740.00
(ii)	Add 1% Q.C.	=	Rs	38430.00
(iii)	Add Lump Provision for Furniture LED Screen Ro Machine Additional Exterior Development	=	Rs	108000.00
(iv)	Add Lump For Survey, Estimate Preparation & Other Misc.work	=	Rs	114000.00
Total B		=	Rs	952170.00
C	Rounding & Calculation Error	(+)	Rs	5317.68
	Total (A + B + C)	=	Rs	4797000.00
T.S Amount		=	Rs	4797000.00
<div style="display: flex; justify-content: space-between;"> <div>Deputy Executive Engineer R & B (Pan) Sub Division Gandhinagar</div> <div>Executive Engineer R & B (Pan) Division Gandhinagar</div> </div>				

Name of work :-

Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa, Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)

Checklist For DTP

1	Principle Approval Date and Amount	:	Gandinagar Vide Ltr No.
			Ji.P/ICDS/BKM/Vshi/2026 Date:- 10/04/2026
			4797000.00
2	Administrative Approval Date And Amount (Not recived than Block Estimate Submission Date)	:	R & B Panchayat Division Gandhinagar Vide Ltr No.
			Ja.no.PB- / / Gandhinagar / N.A. / TS / 75,74,80,81 /2025-26 Date:02/06/2026
			4797000.00
3	SOR Year		2024-25
4	Technical Approval Date And Amount	:	R & B Panchayat Division Gandhinagar Vide Ltr No.
			Ja.no.PB- / / Gandhinagar / N.A. / TS / 75,74,80,81 /2025-26 Date:02/06/2026
			4797000.00
5	DTP Amount	:	3839512.32
6	Tender Fee Rs.	:	1500
7	Earnest Money Deposit (Bid Security)Rs.	:	39000.00
8	Performance Security as per Clause 34 (pg.22)5%	:	192000
9	Retention money Max.(5%)	:	192000
10	Time Limit (Months) with bar chart	:	6 Month
11	Registration category required	:	Building Work " E-1 Class & Above "
12	Bonus Applicable (Y/N)	:	
13	Sub Contractor Work Limit (%)	:	
14	site Possession Date	:	
15	Period between Program Update (Days)	:	
16	Amount to be withheld for late submission of program	:	

17	Joint Venture Required?(Yes/No)	:	
18	Defect Liability Period (In Months & includes no. of Monsoons)	:	
19	Free Maintenance Guarantee Period (for Road & Bridge Construction)	:	
20	Liquidated Gdamage as mentioned in Clause 49.1	:	
21	Milestone Dates :- (Contract Data,Point 5)	:	
(A)	Milestone 1	:	10%
(B)	Milestone 2	:	40%
(C)	Milestone 3	:	80%
(D)	Milestone 4	:	100%
22	Contract Data (point 24), %	:	
(A)	Labour,PI	:	26.96
(B)	Cement,Pc	:	8.42
(C)	Steel,Ps	:	14.07
(D)	Bitumeane,Pb	:	--
(E)	POL,Pf	:	2.89
(F)	Plant and Machinery Spares Pp	:	11.56
(G)	Other Material,Pm	:	36.10
23	Mobilization advance if any	:	
24	Equipment advance if any	:	
25	Percentage Rate Contract / Item Rate Contract	:	Percentage Rate

CERTIFICATE

This is to certify that the contract document prepared for the work **Construction of Different Anganwadi Centre /PKG-07/ at Ta.Mansa, Dist.Gandhinagar (1) Bapupura-1 (Ajol) (2) Vyaspaldi-2 (Veda) (3) Rathodpaldi (Veda)** is based on the standard Bidding Document Procurement of Civil works published by R&B department letter No.RBD/0346/10/2023. Date 12/10/23 No Further Modification and alteration in this standard formate has been made by this office.

Deputy Executive Engineer
R & B (Pan) Sub Division
Gandhinagar

Divisional Accountant
R & B (P.) Division
Gandhinagar

Executive Engineer
R & B (Pan) Division
Gandhinagar