

**Name of work :- Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2)**

**MATERIAL STATEMENT**

| <b>Sr. No.</b> | <b>MATERIALS</b>      | <b>QUANTITY</b> | <b>UNIT</b> | <b>PLACE OF DELIVERY</b>  |
|----------------|-----------------------|-----------------|-------------|---|
| <b>1</b>       | <b>Cement (O.P.C)</b> | 61.76           | M.T         | Contractor should brought at site work from Open market of IS approved Quality by his own cost including carting. |
| <b>2</b>       | <b>TMT 500D BARS</b>  | 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 P Sub Division**  
**Gandhinagar**

**Executive Engineer,**  
**R & B (Pan) Division**  
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No Vas (Kalol-2)**

### **P O L - STATEMENT**

| <b>Sr.<br/>No.</b>   | <b>Description</b>                             | <b>Amount</b>                                    |                    |
|--|--|--|--------------------|
| 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<br>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                  |
| <b>11</b>  | <b>Cement Component</b><br>B / A x 100         | $\frac{3,23,253.62}{38,39,512.32} \times 100 =$  | <b>8.42 % Age</b>  |
| <b>12</b>  | <b>Steel Component</b><br>C / A x 100          | $\frac{5,40,127.80}{38,39,512.32} \times 100 =$  | <b>14.07 % Age</b> |
| <b>13</b>  | <b>Asphalt Component</b><br>D / A x 100        | $\frac{-}{38,39,512.32} \times 100 =$            | <b>- % Age</b>     |
| <b>14</b>  | <b>Other Mate. Component</b><br>F / A x 100    | $\frac{13,86,091.52}{38,39,512.32} \times 100 =$ | <b>36.10 % Age</b> |
| <b>15</b>  | <b>POL Component</b><br>G / A x 100            | $\frac{1,11,143.16}{38,39,512.32} \times 100 =$  | <b>2.89 % Age</b>  |
| <b>16</b>  | <b>Labour Component</b><br>I / A x 100         | $\frac{10,35,227.36}{38,39,512.32} \times 100 =$ | <b>26.96 % Age</b> |
| <b>17</b>  | <b>Machinery Component</b><br>J / A x 100      | $\frac{4,43,668.87}{38,39,512.32} \times 100 =$  | <b>11.56 % Age</b> |
| <div> <b>Deputy Executive Engineer</b><br/> <b>R P Sub Division</b><br/> <b>Gandhinagar</b> </div> <div> <b>Executive Engineer</b><br/> <b>R &amp; B (Pan) Division</b><br/> <b>Gandhinagar</b> </div> |  |  |                    |

**Name of work :- Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2)**

**COST OF BASIC MATERIALS**

| <b>Sr. No.</b> | <b>Materials</b> | <b>Qty.</b> | <b>Unit</b> | <b>Rate</b> | <b>Per</b> | <b>Amount in Rs.</b> |
|----------------|------------------|-------------|-------------|-------------|------------|----------------------|
| <b>1</b>       | <b>2</b>         | <b>3</b>    | <b>4</b>    | <b>5</b>    | <b>6</b>   | <b>7</b>             |
| 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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|--|--|----------|------|---------|---------------|-----|---------------|
| <b><u>COST OF BASIC MATERIALS</u></b>  |  |          |      |         |               |     |               |
| 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      |

| <b><u>COST OF BASIC MATERIALS</u></b> |   |             |             |             |                      |            |                      |
|---------------------------------------|---|-------------|-------------|-------------|----------------------|------------|----------------------|
| <b>Sr. No.</b>                        | <b>Materials</b>  | <b>Qty.</b> | <b>Unit</b> | <b>Rate</b> | <b>Material Part</b> | <b>Per</b> | <b>Amount in Rs.</b> |
| <b>1</b>                              | <b>2</b>  | <b>3</b>    | <b>4</b>    | <b>5</b>    |                      | <b>6</b>   | <b>7</b>             |
| 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             |

| <b><u>COST OF BASIC MATERIALS</u></b>  |  |             |             |             |                      |            |                      |
|--|--|-------------|-------------|-------------|----------------------|------------|----------------------|
| <b>Sr. No.</b>   | <b>Materials</b>   | <b>Qty.</b> | <b>Unit</b> | <b>Rate</b> | <b>Material Part</b> | <b>Per</b> | <b>Amount in Rs.</b> |
| <b>1</b>   | <b>2</b>   | <b>3</b>    | <b>4</b>    | <b>5</b>    |                      | <b>6</b>   | <b>7</b>             |
| 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          |
| <b>Total</b>   |  |             |             |             |                      | <b>=</b>   | <b>13,86,091.52</b>  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>Deputy Executive Engineer</b><br/> <b>R P Sub Division</b><br/> <b>Gandhinagar</b> </div> <div style="width: 45%;"> <b>Executive Engineer</b><br/> <b>R &amp; B (Pan) Division</b><br/> <b>Gandhinagar</b> </div> </div> |  |             |             |             |                      |            |                      |

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**CALCULATION OF MATERIALS**

| <b>It. No.</b> | <b>Brief Description</b>   | <b>Qty.</b> | <b>Unit</b> | <b>Kapchi<br/>(20 mm &amp; 10 mm)</b> |       | <b>Coarse Sand</b> |       |
|----------------|--|-------------|-------------|---------------------------------------|-------|--------------------|-------|
| 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<br>(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<br>(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          |
| <b>Total</b> |   |        |      |                           | <b>280.51</b> |             | <b>233.00</b> |
| <b>Say</b>   |   |        |      |                           | <b>281.00</b> |             | <b>233.00</b> |
| <b>M.T</b>   |   |        |      |                           | <b>423.57</b> |             | <b>328.53</b> |

Deputy Executive Engineer  
R P Sub Division  
Gandhinagar

Executive Engineer  
R & B (Pan) Division  
Gandhinagar

| Name of work :- Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2) |   |      |       |          |          |
|--|---|------|-------|----------|----------|
| <b><u>CALCULATION OF BRICKS</u></b>  |   |      |       |          |          |
| 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          |
|   |   |    |      | <b>Total</b> | <b>50730.00</b> |
| <div> <div>Deputy Executive Engineer<br/>R P Sub Division<br/>Gandhinagar</div> <div>Executive Engineer<br/>R &amp; B (Pan) Division<br/>Gandhinagar</div> </div> |   |    |      |              |                 |

Name of work :- Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2)

### Calculation for Cost of POL

| No.      | Materials                           |   |                           |                      | Amount in Rs.    |          |
|----------|-------------------------------------|---|---------------------------|----------------------|------------------|----------|
| <b>1</b> | <b>Excavation ,Cutting, Filling</b> | = | 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          |          |
|          | <b>Total</b>                        | = |                           |                      | <b>16,953.30</b> | <b>1</b> |
| <b>2</b> | <b>Cement</b>                       | = | 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      |          |
|          | <b>Total</b>                        | = |                           |                      | <b>2,590.62</b>  | <b>2</b> |
| <b>3</b> | <b>Steel</b>                        | = | 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            |          |
|          | <b>Total</b>                        | = |                           |                      | <b>381.29</b>    | <b>3</b> |
| <b>4</b> | <b>Kapchi (20 mm &amp; 10mm)</b>    | = | 280.51 Cu.m               |                      |                  |          |
|          | 14 Cu.m / Trip - Average Lead Km.   | = | 80.00                     | Vatrak               |                  |          |
|          | No. of trips                        | = | 280.51 / 14.00            | =                    | 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          |          |
|          | <b>Total</b>                        | = |                           |                      | <b>33,618.39</b> | <b>4</b> |
| <b>5</b> | <b>Coarse Sand</b>                  | = | 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          |          |
|          | <b>Total</b>                        | = |                           |                      | <b>17,452.50</b> | <b>5</b> |

### Calculation for Cost of POL

| No.                                | Materials |                    |                  |          | Amount in Rs. |                    |
|------------------------------------|-----------|--------------------|------------------|----------|---------------|--------------------|
| <b>6 Brick</b>                     | =         | 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       |                    |
| <b>Total</b>                       |           |                    |                  |          | =             | <b>7,599.77</b> 6  |
| <b>7 Concrete</b>                  | =         | 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   |               |                    |
| <b>Total</b>                       |           |                    |                  |          | =             | <b>8,378.93</b> 7  |
| <b>8 Tiles</b>                     | =         | 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         |                    |
| <b>Total</b>                       |           |                    |                  |          | =             | <b>547.40</b> 8    |
| <b>9 Marble/Kota/Granite</b>       | =         | 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         |                    |
| <b>Total</b>                       |           |                    |                  |          | =             | <b>235.95</b> 9    |
| <b>10 Wood Frame Door</b>          | =         | 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        |                    |
| <b>Total</b>                       |           |                    |                  |          | =             | <b>1,195.47</b> 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. |                    |
|--|-----------|--------------------|---------------|------------------|---------------|--------------------|
| <b>16 Primer On Putty</b>  | =         |                    | <b>117.60</b> | 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         |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>616.61</b> 16   |
| <b>17 Plastic Emulsion Paint</b>                                       | =         |                    | <b>117.60</b> | 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         |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>616.61</b> 17   |
| <b>18 White cement</b>   | =         |                    | <b>0.42</b>   | 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          |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>44.46</b> 18    |
| <b>19 Stainless steel railing made from anticorrosive S S pipe</b>     | =         |                    | 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         |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>213.93</b> 19   |
| <b>20 U PVC Pipe / C PVC /PVC</b>                                      | =         |                    | 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        |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>1,635.91</b> 20 |
| <b>21 U PVC Heavy Duty Handle valve / MS Z clamp on Wall/HDPE Pipe</b> | =         |                    | 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          |                    |
| <b>Total</b>   |           |                    |               |                  | =             | <b>62.92</b> 21    |

### Calculation for Cost of POL

| No. | Materials   |   |                    |                  | Amount in Rs.   |         |
|-----|---|---|--------------------|------------------|-----------------|---------|
| 22  | <b>Pressure Poluthene Pipes/Flat Flexible cable</b>   |   |                    |                  |                 |         |
|     |   | = | 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   |
|     |   |   | <b>Total</b>       | =                | <b>566.27</b>   | 22      |
| 23  | <b>Nahni Trap / Bib Tap / Piller Tap / Wash basin / Wash down water closet / Special Needs Range CRUSE SET / Gully Trap /</b> |   |                    |                  |                 |         |
|     |   | = | 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  |
|     |   |   | <b>Total</b>       | =                | <b>1,747.76</b> | 23      |
| 24  | <b>Water Tank</b>   |   |                    |                  |                 |         |
|     |   | = | 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  |
|     |   |   | <b>Total</b>       | =                | <b>1,572.99</b> | 24      |
| 25  | <b>Weather Proof Exterior Emulsion Paint</b>  |   |                    |                  |                 |         |
|     |   | = | 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   |
|     |   |   | <b>Total</b>       | =                | <b>494.97</b>   | 25      |
| 26  | <b>Mirror of superior glass mounted/C.P. brass towel rail /CP brass screw /C.I. Manhole cover / S.S Butterfly valve</b>       |   |                    |                  |                 |         |
|     |   | = | 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  |
|     |   |   | <b>Total</b>       | =                | <b>943.79</b>   | 26      |



| Calculation for Cost of POL  |   |  |  |  |  |  |               |                        |  |
|--|---|--|--|--|--|--|---------------|------------------------|--|
| No.  | Materials   |  |  |  |  |  | Amount in Rs. |                        |  |
| 27   | <b>Sandwitch Platform Material / Stainless steel kitchen sink glossy</b> = 12.00 Rmt<br>50 Rmt. / Trip - Average Lead Km. = 50.00 Near Gandhinagar<br>No. of trips = 12.00 / 50.00 = 0.24 Trips<br>Distance Travelled = 0.24 x 50.00 = 12.00 Km<br>Diesel = 5.00 Km. / Liter<br>Oil = 140.00 Km. / Liter<br>Diesl Cost = 12.00 / 5.00 x 90.58 = 217.39<br>Oil Cost = 12.00 / 140.00 x 400.00 = 34.29<br><b>Total = 251.68 27</b>                        |  |  |  |  |  |               |                        |  |
| 28   | <b>Brushes / sand paper/Black Japan Paint</b> = 9055.00 Nos.<br>1000 Nos. / Trip - Average Lead Km. = 50.00 Near Gandhinagar<br>No. of trips = 9055.00 / 1000.00 = 9.06 Trips<br>Distance Travelled = 9.06 x 50.00 = 452.75 Km<br>Diesel = 5.00 Km. / Liter<br>Oil = 140.00 Km. / Liter<br>Diesl Cost = 452.75 / 5.00 x 90.58 = 8202.02<br>Oil Cost = 452.75 / 140.00 x 400.00 = 1293.57<br><b>Total = 9,495.59 28</b>                                  |  |  |  |  |  |               |                        |  |
| 29   | <b>Pre-cast Rubber Dye / steel Dye inter locking concrete block M300</b> = 2048.00 32 Nos. per 1 Sq.mt<br>5000 Nos / Trip - Average Lead Km. = 50.00 Near Gandhinagar<br>No. of trips = 2048.00 / 5000.00 = 0.41 Trips<br>Distance Travelled = 0.41 x 50.00 = 20.48 Km<br>Diesel = 5.00 Km. / Liter<br>Oil = 140.00 Km. / Liter<br>Diesl Cost = 20.48 / 5.00 x 90.58 = 371.02<br>Oil Cost = 20.48 / 140.00 x 400.00 = 58.51<br><b>Total = 429.53 29</b> |  |  |  |  |  |               |                        |  |
| 30   | <b>All Electrification Work</b> = 1.00 Nos.<br>1 Nos. / Trip - Average Lead Km. = 50.00 Near Gandhinagar<br>No. of trips = 1.00 / 1.00 = 1.00 Trips<br>Distance Travelled = 1.00 x 50.00 = 50.00 Km<br>Diesel = 5.00 Km. / Liter<br>Oil = 140.00 Km. / Liter<br>Diesl Cost = 50.00 / 5.00 x 90.58 = 905.80<br>Oil Cost = 50.00 / 140.00 x 400.00 = 142.86<br><b>Total = 1,048.66 30</b>   |  |  |  |  |  |               |                        |  |
| <b>Net Total</b>   |   |  |  |  |  |  | <b>=</b>      | <b>1,11,143.16 Rs.</b> |  |
| <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div style="text-align: center;"> <b>Deputy Executive Engineer</b><br/> <b>R P Sub Division</b><br/> <b>Gandhinagar</b> </div> <div style="text-align: center;"> <b>Executive Engineer</b><br/> <b>R &amp; B (Pan) Division</b><br/> <b>Gandhinagar</b> </div> </div> |   |  |  |  |  |  |               |                        |  |

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

**Name of work :- Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol,  
Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3)**

### **ERROR STATEMENT**

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

Name of work :-

Construction of Different Anganwadi Centre /PKG-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2)

**Checklist For DTP**

|    |   |   |  |
|----|---|---|--|
| 1  | Principle Approval Date and Amount  | : | Gandinagar Vide Ltr No.  |
|    |   |   | Ji.P/ICDS/BKM/Vshi/2026 Date:-<br>10/04/2026                                       |
|    |   |   | 4797000.00   |
| 2  | Administrative Approval Date And Amount (Not recived than Block Estimate Submission Date) | : | R & B Panchayat Division<br>Gandhinagar Vide Ltr No.                               |
|    |   |   | Ja.no.PB- / / Gandhinagar / N.A. /<br>TS / 75,74,80,81 /2025-26<br>Date:02/06/2026 |
|    |   |   | 4797000.00   |
| 3  | SOR Year  |   | 2024-25  |
| 4  | Technical Approval Date And Amount  | : | R & B Panchayat Division<br>Gandhinagar Vide Ltr No.                               |
|    |   |   | Ja.no.PB- / / Gandhinagar / N.A. /<br>TS / 75,74,80,81 /2025-26<br>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  | : | 9 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) | Bitumean,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-09/ at Ta.Kalol, Dist.Gandhinagar (1) Champaben ni Chali (Kalol-3) (2) Bhavani Nagar (Kalol-2) (3) Ambaji Maata No Vas (Kalol-2)** 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 P Sub Division  
Gandhinagar

Divisional Accountant  
R & B (P.) Division  
Gandhinagar

Executive Engineer  
R & B (Pan) Division  
Gandhinagar