

| ESTIMATION DPR |        |                 |          |              |      |                       |          |
|----------------|--------|-----------------|----------|--------------|------|-----------------------|----------|
| <b>State</b>   | Odisha | <b>District</b> | Balasore | <b>Block</b> | Soro | <b>Gram Panchayat</b> | Sajanpur |

|                         |   |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|
| <b>Work Code</b>        | OD/346/3309/116327/393981/00074448 (Construction with cc road from G.P road to Patna Sirapur UP School and const. of enfrance gate of Patna Sirapur UP School ) |  |  |  |  |  |  |
| <b>Project Category</b> | Road  |  |  |  |  |  |  |

|                             |                        |                              |  |
|-----------------------------|------------------------|------------------------------|--|
| <b>Financial Year</b>       | 2024-25                | <b>Execution Level</b>       | PS   |
| <b>Executing Agency</b>     | Panchayat Samiti, Soro | <b>Proposal Date</b>         | -  |
| <b>Date of Commencement</b> | -                      | <b>Date of Completion</b>    |  |
| <b>Scheme Name</b>          | SFC Devolution of Fund | <b>Scheme Component Name</b> | 5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD |
| <b>Project Sub-Category</b> | CC Road                | <b>Project Type</b>          | New Work                                   |
| <b>Name of Executant</b>    |                        |                              |  |

### Administrative Approval Details

|                     |  |
|---------------------|--|
| <b>Approval No.</b> |  |
|---------------------|--|

### Technical Sanction Details

|                                      |        |
|--------------------------------------|--------|
| <b>Technical Sanction No.</b>        |        |
| <b>Fund Sanction No.</b>             |        |
| <b>Fund Sanction Amount (in Rs.)</b> | 110000 |

### ACTIVITY STATEMENT

| S/N | ACTIVITY TAKEN | UNIT | QUANTITY | UNIT PRICE (IN RS.) | TOTAL (IN RS.) |
|-----|----------------|------|----------|---------------------|----------------|
|-----|----------------|------|----------|---------------------|----------------|

|   |  |      |         |              |                 |
|---|--|------|---------|--------------|-----------------|
| 1 | <p style="text-align: center;"><b>R.C.C.<br/>Work (AR0409) :</b><br/> <b>Supplying, fitting,<br/>and placing<br/>uncoated HYSD<br/>bar reinforcement<br/>including labor<br/>charges for<br/>cutting, bending,<br/>binding, and tying<br/>the grills and<br/>placing in<br/>position -</b><br/> Supplying, fitting,<br/>and placing<br/>uncoated HYSD<br/>bar reinforcement<br/>including labor<br/>charges for cutting,<br/>bending, binding,<br/>and tying the grills<br/>and placing in<br/>position including<br/>cost of binding wire<br/>18 to 20 gauge<br/>with cost of steel<br/>rod and as per<br/>drawing, design,<br/>and direction of<br/>Engineer-in-<br/>charge.</p> | Qntl | 1.78875 | 8421.6029474 | 15064.142272162 |
|---|--|------|---------|--------------|-----------------|

|   |   |     |       |                |                 |
|---|---|-----|-------|----------------|-----------------|
| 2 | <p style="text-align: center;"><b>R.C.C.<br/>Work (AR0404B)<br/>: Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; downgrade size<br/>black hard<br/>crusher broken<br/>granite<br/>chips.(Nominal<br/>mix as per IS-456,<br/>Table-9). - R.C.C.<br/>work of M-20 grade<br/>with 20mm &amp;<br/>downgrade size<br/>black hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty, taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>complete and as<br/>per direction of<br/>Engineer-in<br/>charge(Nominal<br/>mix as per IS-456,<br/>Table-9).</b></p> | Cum | 1.431 | 6264.626670539 | 8964.6807655413 |
|---|---|-----|-------|----------------|-----------------|

|   |  |     |      |                 |                 |
|---|--|-----|------|-----------------|-----------------|
| 3 | <p style="text-align: center;"><b>R.C.C.<br/>Work<br/>(AR0404Aa) :</b></p> <p><b>Reinforced<br/>cement concrete<br/>work of M-20<br/>grade with 20mm<br/>&amp; down grade<br/>size black hard<br/>crusher broken<br/>granite chips -</b><br/>Reinforced cement<br/>concrete work of<br/>M-20 grade with<br/>20mm &amp; down<br/>grade size black<br/>hard crusher<br/>broken granite<br/>chips including<br/>hoisting and laying<br/>in position<br/>compacting to<br/>specified design<br/>section and curing<br/>for proper period<br/>with cost<br/>conveyance,<br/>royalty,taxes of all<br/>materials, labour<br/>and T&amp;P required<br/>for the work etc.<br/>(including centring<br/>and shuttering)<br/>complete and as<br/>per direction of<br/>Engineer-in charge<br/>(RCC foundation,<br/>footing bases of<br/>column, mass<br/>concrete, pre-cast<br/>slabs etc.)</p> | Cum | 3.96 | 6588.9790098855 | 26092.356879147 |
|---|--|-----|------|-----------------|-----------------|

|  |  |     |   |               |               |
|--|--|-----|---|---------------|---------------|
| 4  | <p style="text-align: center;"><b>Pile Foundation (AR1501ea) : Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Hand broken) stone chips -</b></p> <p>Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Hand broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 3.0 meter long)</p> | Nos | 2 | 3192.03302942 | 6384.06605884 |
| <b>Total Amount (in Rs.): 56505.24597569</b> |  |     |   |               |               |

### LABOUR STATEMENT

| SI.No. | Activity Name | Qty/unit(B=Analysis Basic Qty/HeaderUnit) | Quantity(Measurement Qty) | Unit |
|--------|---------------|---|---------------------------|------|
|--------|---------------|---|---------------------------|------|

|     |  |       |          |      |
|-----|--|-------|----------|------|
| 1   | <b>R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b><br>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge. | -     | 1.78875  | Qntl |
| i   | Un-Skilled   | 0.8   | 1.431    | -    |
| ii  | Highly-Skilled   | 0.3   | 0.536625 | -    |
| iii | Semi-Skilled   | 0.044 | 0.078705 | -    |

|     |   |        |           |     |
|-----|---|--------|-----------|-----|
| 2   | <b>R.C.C. Work (AR0404B) :</b><br><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9). -</b><br>R.C.C. work of M-20 grade with 20mm & downgrade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge(Nominal mix as per IS-456, Table-9). | -      | 1.431     | Cum |
| i   | Un-Skilled  | 1.3333 | 1.9079523 | -   |
| ii  | Skilled   | 0.1    | 0.1431    | -   |
| iii | Semi-Skilled  | 0.0573 | 0.0819963 | -   |

|     |  |        |          |     |
|-----|--|--------|----------|-----|
| 3   | <b>R.C.C. Work (AR0404Aa) :</b><br><b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b><br>Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.) | -      | 3.96     | Cum |
| i   | Un-Skilled   | 1.3333 | 5.279868 | -   |
| ii  | Skilled  | 0.175  | 0.693    | -   |
| iii | Semi-Skilled   | 0.1323 | 0.523908 | -   |

|     |   |       |       |     |
|-----|---|-------|-------|-----|
| 4   | <p><b>Pile Foundation (AR1501ea) : Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Hand broken) stone chips</b> - Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Hand broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 3.0 meter long)</p> | -     | 2     | Nos |
| i   | Highly-Skilled  | 1.35  | 2.7   | -   |
| ii  | Un-Skilled  | 0.433 | 0.866 | -   |
| iii | Skilled   | 0.033 | 0.066 | -   |
| iv  | Semi-Skilled  | 0.019 | 0.038 | -   |

| SI.No. | Labour Type    | Qty Unit  | Rate | Amount       |
|--------|----------------|-----------|------|--------------|
| 1      | Un-Skilled     | 9.4848203 | 462  | 4381.9869786 |
| 2      | Highly-Skilled | 3.236625  | 612  | 1980.8145    |
| 3      | Semi-Skilled   | 0.7226093 | 512  | 369.9759616  |

|   |         |        |     |                            |
|---|---------|--------|-----|----------------------------|
| 4 | Skilled | 0.9021 | 562 | 506.9802                   |
|   |         |        |     | <b>Total: 7239.7576402</b> |

## MATERIAL STATEMENT

| SI.No. | Activity Name/Material   | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit    |
|--------|--|---|---------------------------|---------|
| 1      | <b>R.C.C. Work (AR0409) :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position -</b><br>Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge. | -   | <b>1.78875</b>            | Qntl    |
| i)     | <b>BRM162</b> : Binding Wire.  | 0.8   | 1.431                     | 1 Kg.   |
| ii)    | <b>BRM341</b> : Steel  | 1.05  | 1.8781875                 | 1 Qntl. |

|      |  |        |           |         |
|------|--|--------|-----------|---------|
| 2    | <p><b>R.C.C. Work (AR0404B)</b><br/> <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips.(Nominal mix as per IS-456, Table-9).</b> -<br/> R.C.C. work of M-20 grade with 20mm &amp; downgrade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge(Nominal mix as per IS-456, Table-9).</p> | -      | 1.431     | Cum     |
| i)   | <p><b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</p>  | 0.36   | 0.51516   | 1 Cum.  |
| ii)  | <p><b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve &amp; retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)</p>  | 0.54   | 0.77274   | 1 Cum.  |
| iii) | <p><b>BRM340</b> : Cement</p>  | 3.4733 | 4.9702923 | 1 Qntl. |
| iv)  | <p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>   | 0.45   | 0.64395   | 1 Cum   |

|      |   |          |             |         |
|------|---|----------|-------------|---------|
| 3    | <b>R.C.C. Work (AR0404Aa)</b><br><b>∴Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b><br>Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.) | -        | <b>3.96</b> | Cum     |
| i)   | <b>BRM340</b> : Cement  | 3.4733   | 13.754268   | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.45     | 1.782       | 1 Cum   |
| iii) | <b>BRM060</b> : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve & retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)  | 0.36     | 1.4256      | 1 Cum.  |
| iv)  | <b>BRM052</b> : Granite Stone broken chips 20mm. size (Minimum 65% by Wt. Passing through 19mm sieve & retained on 13.2mm sieve but whole should pass through 26.5mm sieve) (Crusher broken)  | 0.54     | 2.1384      | 1 Cum.  |
| v)   | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)   | 0.004005 | 0.0158598   | 1Cum.   |
| vi)  | <b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.   | 0.189    | 0.74844     | 1Mtr.   |

|      |  |       |  |       |         |
|------|--|-------|--|-------|---------|
| 4    | <p><b>Pile Foundation(AR1501ea) :.Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Hand broken) stone chips -</b> Single under reamed pile foundation 300 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Hand broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (300mm dia and 3.0 meter long)</p> | -     |  | 2     | Nos     |
| i)   | <b>BRM057</b> : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve)(Hand broken)   | 0.293 |  | 0.586 | 1 Cum.  |
| ii)  | <b>BRM178</b> : Bentonite powder   | 0.675 |  | 1.35  | 1Qntl   |
| iii) | <b>BRM342</b> : Tripod   | 0.27  |  | 0.54  | Per day |
| iv)  | <b>BRM340</b> : Cement   | 1.234 |  | 2.468 | 1 Qntl. |
| v)   | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.146 |  | 0.292 | 1 Cum   |

| SI.No. | Material Name | Qty        | Unit    | Rate     | Amount          |
|--------|---------------|------------|---------|----------|-----------------|
| 1      | <b>BRM162</b> | 1.431      | 1 Kg.   | 90       | 128.79          |
| 2      | <b>BRM341</b> | 1.8781875  | 1 Qntl. | 6210.797 | 11665.041290438 |
| 3      | <b>BRM060</b> | 1.94076    | 1 Cum.  | 1889.98  | 3667.9975848    |
| 4      | <b>BRM052</b> | 2.91114    | 1 Cum.  | 1853.6   | 5396.089104     |
| 5      | <b>BRM340</b> | 21.1925603 | 1 Qntl. | 561.987  | 11909.943385316 |
| 6      | <b>BRM028</b> | 2.71795    | 1 Cum   | 1030.79  | 2801.6356805    |

|                               |               |           |         |           |                |
|-------------------------------|---------------|-----------|---------|-----------|----------------|
| 7                             | <b>BRM104</b> | 0.0158598 | 1Cum.   | 58573.086 | 928.9574293428 |
| 8                             | <b>BRM092</b> | 0.74844   | 1Mtr.   | 229.106   | 171.47209464   |
| 9                             | <b>BRM057</b> | 0.586     | 1 Cum.  | 1521.31   | 891.48766      |
| 10                            | <b>BRM178</b> | 1.35      | 1Qntl   | 337.87    | 456.1245       |
| 11                            | <b>BRM342</b> | 0.54      | Per day | 450       | 243            |
| <b>Total: 38260.538729036</b> |               |           |         |           |                |

### ROYALTY STATEMENT

| S/N                        | Material Name | Qty     | Unit   | Royalty Rate | Amount       |
|----------------------------|---------------|---------|--------|--------------|--------------|
| 1                          | <b>BRM060</b> | 1.94076 | 1 Cum. | 552.5        | 1072.2699    |
| 2                          | <b>BRM052</b> | 2.91114 | 1 Cum. | 552.5        | 1608.40485   |
| 3                          | <b>BRM028</b> | 2.71795 | 1 Cum  | 442.25       | 1202.0133875 |
| 4                          | <b>BRM057</b> | 0.586   | 1 Cum. | 552.5        | 323.765      |
| <b>Total: 4206.4531375</b> |               |         |        |              |              |

### ADDITION COMPONENT

| SI.No.  | Item Name                               | Amount (in Rs.) |
|---|---|-----------------|
| 1   | Provision for Contingency @<br>Rs. 1100 | Rs. 1100        |
| 2   | Display Citizen Board @<br>Rs. 2000     | Rs. 2000        |
| 3   | Any Other Lumpsum @<br>Rs. 50394.75     | Rs. 50394.75    |
| <b>Total Addition Component Amount (in Rs.): 53494.75</b> |   |                 |

**Total Net Amount (in Rs.): 109999.99597569**