

| ESTIMATION DPR |        |          |         |       |              |                |          |
|----------------|--------|----------|---------|-------|--------------|----------------|----------|
| State          | Odisha | District | Cuttack | Block | Cuttacksadar | Gram Panchayat | Jasapada |

|                  |                                                                                                               |  |  |  |  |  |  |
|------------------|---------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Work Code        | OD/350/3337/116961/399948/00064472 (Construction of CC road Kosida Gadia Kothaga-I with Culvert ,Jasapada GP) |  |  |  |  |  |  |
| Project Category | Road                                                                                                          |  |  |  |  |  |  |

|                      |                                |                       |                          |
|----------------------|--------------------------------|-----------------------|--------------------------|
| Financial Year       | 2022-23                        | Execution Level       | PS                       |
| Executing Agency     | Panchayat Samiti, Cuttacksadar | Proposal Date         | -                        |
| Date of Commencement | 25-11-2025                     | Date of Completion    | 29-12-2025               |
| Scheme Name          | 5th SFC Grant in Aid           | Scheme Component Name | All Weather Connectivity |
| Project Sub-Category | CC Road                        | Project Type          | New Work                 |
| Name of Executant    | Samata Debata                  |                       |                          |

### Administrative Approval Details

|              |                                       |
|--------------|---------------------------------------|
| Approval No. | OD/350/3337/116961/399948/00064472/AS |
|--------------|---------------------------------------|

### Technical Sanction Details

|                               |                                       |
|-------------------------------|---------------------------------------|
| Technical Sanction No.        | OD/350/3337/116961/399948/00064472/TS |
| Fund Sanction No.             | 22117                                 |
| Fund Sanction Amount (in Rs.) | 137000                                |

### ROYALTY STATEMENT

| Sl.No. | Activity Name/Material                                                                                                                                                                                                                                                                                                                                                                                                  | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------|------|
| 1      | Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge | -                                           | 6.50595                   | Cum  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                 |         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------|---------|
| 2    | <b>Earth Work (AR0115)</b><br>:.Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.                                                                                                                                          | -    | <b>2.487975</b> | Cum     |
| i)   | <b>BRM029</b> : Sand for filling and road blinding                                                                                                                                                                                                                                                                                                                                                                                                                        | 1    | 2.487975        | 1 Cum   |
| 3    | <b>Concrete (AR0303)</b><br>:.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering 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. | -    | <b>8.80387</b>  | Cum     |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.29 | 20.1608623      | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.48 | 4.2258576       | 1 Cum   |
| iii) | <b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)                                                                                                                                                                                                                                                                                                                                                                                                    | 0.96 | 8.4517152       | 1 Cum.  |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                   |       |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|-------|
| 4   | <b>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</b> Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, girder and bressmer, etc. Data for 4.2sqm                                     | -                  | <b>21.8472</b>    | Sqm   |
| i)  | <b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.                                                                                                                                                                                                                                                                                                                                                           | 0.0056666666666667 | 0.1238008         | 1Mtr  |
| ii) | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)                                                                                                                                                                                                                                                                                                                                                  | 0.0051904761904762 | 0.11339737142857  | 1Cum. |
| 5   | <b>R.C.C. Work (AR0410a) : Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas -</b> Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height | -                  | <b>10.8805</b>    | Sqm   |
| i)  | <b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.                                                                                                                                                                                                                                                                                                                                                           | 0.0076666666666667 | 0.083417166666667 | 1Mtr  |
| ii) | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)                                                                                                                                                                                                                                                                                                                                                  | 0.0050222222222222 | 0.054644288888889 | 1Cum. |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |           |         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|---------|
| 6    | <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. | -    | 2.95      | Qntl    |
| i)   | <b>BRM341 : Steel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.05 | 3.0975    | 1 Qntl. |
| 7    | <b>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b><br>Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.                                   | -    | 0.44652   | Cum     |
| i)   | <b>BRM340 : Cement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3.23 | 1.4422596 | 1 Qntl. |
| ii)  | <b>BRM028 : Screened and washed sharp sand for mortar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.45 | 0.200934  | 1 Cum   |
| iii) | <b>BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve &amp; retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)</b>                                                                                                                                                                                                                                                                                                                 | 0.9  | 0.401868  | 1 Cum.  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |              |         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|---------|
| 8    | <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). | -      | 2.039499     | Cum     |
| i)   | <b>BRM060 : 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)</b>                                                                                                                                                                                                                                                                                                                                                                                                              | 0.36   | 0.73421964   | 1 Cum.  |
| ii)  | <b>BRM052 : 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)</b>                                                                                                                                                                                                                                                                                                                                                                                                              | 0.54   | 1.10132946   | 1 Cum.  |
| iii) | <b>BRM340 : Cement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.4733 | 7.0837918767 | 1 Qntl. |
| iv)  | <b>BRM028 : Screened and washed sharp sand for mortar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.45   | 0.91777455   | 1 Cum   |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |           |          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|----------|
| 9    | <b>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b><br>Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance $\pm 8$ percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge. | -      | 0.68625   | Cum      |
| i)   | <b>BRM006</b> : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %                                                                                                                                                                                                                                                                                                                                                                                        | 400    | 274.5     | 1000 Nos |
| ii)  | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.672  | 0.46116   | 1 Qntl.  |
| iii) | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.28   | 0.19215   | 1 Cum    |
| 10   | <b>Plastering (AR1026) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces (inside) -</b> 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.                                                                                                                                                              | -      | 10.336    | Sqm      |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.0271 | 0.2801056 | 1 Qntl.  |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.0075 | 0.07752   | 1 Cum    |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |             |         |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|---------|
| 11  | <b>Plastering (AR1014)</b><br>:.16mm thick cement<br><b>Plaster in CM (1:6)</b><br><b>over brick work in</b><br><b>inside.</b> - 16mm thick<br>cement Plaster in CM<br>(1:6) over brick work in<br>inside including racking<br>out joints finishing<br>smooth with proper<br>plumb and line, curing<br>for proper period with<br>cost conveyance,<br>royalty, taxes of all<br>materials, labour and T<br>& P required for the<br>work etc comp.and as<br>per direction of<br>Engineer-in-charge. | -     | <b>5.49</b> | Sqm     |
| i)  | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.043 | 0.23607     | 1 Qntl. |
| ii) | <b>BRM028</b> : Screened<br>and washed sharp<br>sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.018 | 0.09882     | 1 Cum   |

| S/N | Material Name | Qty        | Unit   | Royalty Rate | Amount                        |
|-----|---------------|------------|--------|--------------|-------------------------------|
| 1   | <b>BRM029</b> | 2.487975   | 1 Cum  | 112.25       | 279.27519375                  |
| 2   | <b>BRM028</b> | 5.71305615 | 1 Cum  | 112.25       | 641.2905528375                |
| 3   | <b>BRM044</b> | 8.4517152  | 1 Cum. | 259.5        | 2193.2200944                  |
| 4   | <b>BRM056</b> | 0.401868   | 1 Cum. | 259.5        | 104.284746                    |
| 5   | <b>BRM060</b> | 0.73421964 | 1 Cum. | 259.5        | 190.52999658                  |
| 6   | <b>BRM052</b> | 1.10132946 | 1 Cum. | 259.5        | 285.79499487                  |
|     |               |            |        |              | <b>Total: 3694.3955784375</b> |