

| ESTIMATION DPR |        |          |        |       |       |                |             |
|----------------|--------|----------|--------|-------|-------|----------------|-------------|
| State          | Odisha | District | Jajpur | Block | Korei | Gram Panchayat | Patharapada |

|                  |                                                                                         |
|------------------|-----------------------------------------------------------------------------------------|
| Work Code        | OD/356/3401/275216/400826/00075392 (REPAIR AND MAINTENCE OF PATHARAPADA PRIMARY SCHOOL) |
| Project Category | Building                                                                                |

|                      |                         |                       |                                        |
|----------------------|-------------------------|-----------------------|----------------------------------------|
| Financial Year       | 2022-23                 | Execution Level       | PS                                     |
| Executing Agency     | Panchayat Samiti, Korei | Proposal Date         | -                                      |
| Date of Commencement | 15-01-2026              | Date of Completion    | -                                      |
| Scheme Name          | 5th SFC Grant in Aid    | Scheme Component Name | Maintenance of Primary School Building |
| Project Sub-Category | Secondary School        | Project Type          | Repair and Maintenance                 |
| Name of Executant    | Dibya Lochan Samal      |                       |                                        |

#### Administrative Approval Details

|              |                                       |
|--------------|---------------------------------------|
| Approval No. | OD/356/3401/275216/400826/00075392/AS |
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#### Technical Sanction Details

|                               |                                       |
|-------------------------------|---------------------------------------|
| Technical Sanction No.        | OD/356/3401/275216/400826/00075392/TS |
| Fund Sanction No.             |                                       |
| Fund Sanction Amount (in Rs.) | 800000                                |

#### MATERIAL 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 | -                                           | 46.926                    | 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.                                                                                                                                          | -    | 20.1915   | Cum     |
| i)   | <b>BRM029</b> : Sand for filling and road blinding                                                                                                                                                                                                                                                                                                                                                                                                                        | 1    | 20.1915   | 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. | -    | 14.7165   | Cum     |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.29 | 33.700785 | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.48 | 7.06392   | 1 Cum   |
| iii) | <b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)                                                                                                                                                                                                                                                                                                                                                                                                    | 0.96 | 14.12784  | 1 Cum.  |

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| 4    | <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.) | -        | 6.955625       | Cum     |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.4733   | 24.1589723125  | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.45     | 3.13003125     | 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     | 2.504025       | 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     | 3.7560375      | 1 Cum.  |
| v)   | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.004005 | 0.027857278125 | 1Cum.   |
| vi)  | <b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.189    | 1.314613125    | 1Mtr.   |

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| 5    | <b>R.C.C. Work (AR0404Ab)</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 Plinth band) | -       | 6.875      | Cum     |
| i)   | <b>BRM340 : Cement</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.4733  | 23.8789375 | 1 Qntl. |
| ii)  | <b>BRM028 : Screened and washed sharp sand for mortar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.45    | 3.09375    | 1 Cum   |
| iii) | <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    | 2.475      | 1 Cum.  |
| iv)  | <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    | 3.7125     | 1 Cum.  |
| v)   | <b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.01335 | 0.09178125 | 1Cum.   |
| vi)  | <b>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.63    | 4.33125    | 1Mtr.   |

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| 6    | <b>R.C.C. Work (AR0404Ac)</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 Beams, Column, Girder & Bressmer etc) | -        | 2.90625       | Cum     |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.4733   | 10.094278125  | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.45     | 1.3078125     | 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     | 1.04625       | 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     | 1.569375      | 1 Cum.  |
| v)   | <b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.4196   | 12.8444625    | 1Mtr    |
| vi)  | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.041529 | 0.12069365625 | 1Cum.   |

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| 7    | <b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b><br>- Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm <sup>2</sup> with dimensional tolerance ±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. | -      | 10.34775   | Cum      |
| i)   | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.672  | 6.953688   | 1 Qntl.  |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.28   | 2.89737    | 1 Cum    |
| iii) | <b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance ± 2 %                                                                                                                                                                                                                                                                                                                                                                                                    | 350    | 3621.7125  | 1000 Nos |
| 8    | <b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b><br>Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)                                                                             | -      | 57.4414    | Sqm      |
| i)   | <b>BRM174</b> : White Cement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.0076 | 0.43655464 | 1Qntl    |
| ii)  | <b>BRM340</b> : Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.1074 | 6.16920636 | 1 Qntl.  |

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| iii) | <b>BRM028</b> : Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.021             | 1.2062694       | 1 Cum   |
| iv)  | <b>BRM131</b> : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)                                                                                                                                                                                                                                                                                                          | 1                 | 57.4414         | 1 Sqm.  |
| 9    | <b>Painting(AR0918cb)</b> :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)                                                                                                                                                                  | -                 | 402.6           | Sqm     |
| i)   | <b>BRM255</b> : Weather Coat (I.S.I.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.125             | 50.325          | 1 Ltr   |
| ii)  | <b>BRM253</b> : Wall cement primer (I.S.I.) Water bound                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.090322580645161 | 36.363870967742 | 1 Ltr   |
| 10   | <b>R.C.C. Work (AR0409)</b> :.Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position - 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. | -                 | 14.712          | Qntl    |
| i)   | <b>BRM162</b> : Binding Wire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.8               | 11.7696         | 1 Kg.   |
| ii)  | <b>BRM341</b> : Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.05              | 15.4476         | 1 Qntl. |

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|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|----------|
| 11   | <b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b><br>Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm2 with dimensional tolerance ±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. | -     | 41.0625   | Cum      |
| i)   | <b>BRMMR0025 :</b><br>SCAFFOLDING CHARGES FOR BRICK MASONRY WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 41.0625   | 1 Cum    |
| ii)  | <b>BRM340 :</b> Cement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.672 | 27.594    | 1 Qntl.  |
| iii) | <b>BRM028 :</b> Screened and washed sharp sand for mortar                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.28  | 11.4975   | 1 Cum    |
| iv)  | <b>BRM005 :</b> Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %                                                                                                                                                                                                                                                                                                                                                                                       | 350   | 14371.875 | 1000 Nos |

| Sl.No. | Material Name | Qty            | Unit     | Rate      | Amount          |
|--------|---------------|----------------|----------|-----------|-----------------|
| 1      | <b>BRM029</b> | 20.1915        | 1 Cum    | 478.15    | 9654.565725     |
| 2      | <b>BRM340</b> | 132.5498672975 | 1 Qntl.  | 568.667   | 75376.735386467 |
| 3      | <b>BRM028</b> | 30.19665315    | 1 Cum    | 483.09    | 14587.701170234 |
| 4      | <b>BRM044</b> | 14.12784       | 1 Cum.   | 1802.51   | 25465.5728784   |
| 5      | <b>BRM060</b> | 6.025275       | 1 Cum.   | 2277.01   | 13719.61142775  |
| 6      | <b>BRM052</b> | 9.0379125      | 1 Cum.   | 2244.2    | 20282.8832325   |
| 7      | <b>BRM104</b> | 0.240332184375 | 1Cum.    | 58573.086 | 14076.997703965 |
| 8      | <b>BRM092</b> | 5.645863125    | 1Mtr.    | 229.106   | 1293.5011171163 |
| 9      | <b>BRM084</b> | 12.8444625     | 1Mtr     | 250.166   | 3213.247805775  |
| 10     | <b>BRM005</b> | 17993.5875     | 1000 Nos | 6.1891    | 111364.11239625 |
| 11     | <b>BRM174</b> | 0.43655464     | 1Qntl    | 2036.732  | 889.14480503648 |

|    |           |                 |         |             |                        |
|----|-----------|-----------------|---------|-------------|------------------------|
| 12 | BRM131    | 57.4414         | 1 Sqm.  | 662.3175001 | 38044.444450244        |
| 13 | BRM255    | 50.325          | 1 Ltr   | 193.36677   | 9731.18270025          |
| 14 | BRM253    | 36.363870967742 | 1 Ltr   | 155.96677   | 5671.5554995355        |
| 15 | BRM162    | 11.7696         | 1 Kg.   | 90.1        | 1060.44096             |
| 16 | BRM341    | 15.4476         | 1 Qntl. | 6223.282    | 96134.7710232          |
| 17 | BRMMR0025 | 41.0625         | 1 Cum   | 33          | 1355.0625              |
|    |           |                 |         |             | Total: 441921.53078172 |