

**ESTIMATION DPR**

|              |        |                 |            |              |            |                       |       |
|--------------|--------|-----------------|------------|--------------|------------|-----------------------|-------|
| <b>State</b> | Odisha | <b>District</b> | Sundargarh | <b>Block</b> | Sundargarh | <b>Gram Panchayat</b> | Karla |
|--------------|--------|-----------------|------------|--------------|------------|-----------------------|-------|

|                         |   |
|-------------------------|---|
| <b>Work Code</b>        | OD/373/3588/121759/383813/00013658 (Repair & Maintenance of Kandhamal Pry.School) |
| <b>Project Category</b> | Building  |

|                             |                                 |                              |  |
|-----------------------------|---------------------------------|------------------------------|--|
| <b>Financial Year</b>       | 2021-22                         | <b>Execution Level</b>       | PS                                     |
| <b>Executing Agency</b>     | Panchayat Samiti,<br>Sundargarh | <b>Proposal Date</b>         | 11-02-2023                             |
| <b>Date of Commencement</b> | 24-12-2025                      | <b>Date of Completion</b>    | -                                      |
| <b>Scheme Name</b>          | 5th SFC Grant in Aid            | <b>Scheme Component Name</b> | Maintenance of Primary School Building |
| <b>Project Sub-Category</b> | Elementary School               | <b>Project Type</b>          | Upgradation or Improvement             |
| <b>Name of Executant</b>    | Ritarani Patel                  |                              |  |

**Administrative Approval Details**

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Approval No.</b> | OD/373/3588/121759/383813/00013658/AS |
|---------------------|---------------------------------------|

**Technical Sanction Details**

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Technical Sanction No.</b>        | OD/373/3588/121759/383813/00013658/TS |
| <b>Fund Sanction No.</b>             | 1111                                  |
| <b>Fund Sanction Amount (in Rs.)</b> | 266560                                |

**MATERIAL STATEMENT**

| <b>Sl.No.</b> | <b>Activity Name/Material</b> | <b>Qty/unit (B=Analysis Basic Qty/Header Unit)</b> | <b>Quantity (Meaurement Qty)</b> | <b>Unit</b> |
|---------------|-------------------------------|--|----------------------------------|-------------|
|---------------|-------------------------------|--|----------------------------------|-------------|

|      |  |        |             |          |
|------|--|--------|-------------|----------|
| 1    | <p><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 ±8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p> | -      | 20.95471    | Cum      |
| i)   | <p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>   | 1      | 20.95471    | 1 Cum    |
| ii)  | <p><b>BRM006 : 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 ± 2 %</b></p>  | 400    | 8381.884    | 1000 Nos |
| iii) | <p><b>BRM340 : Cement</b></p>  | 0.672  | 14.08156512 | 1 Qntl.  |
| iv)  | <p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>   | 0.28   | 5.8673188   | 1 Cum    |
| 2    | <p><b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>  | -      | 81.3765     | Sqm      |
| i)   | <p><b>BRM340 : Cement</b></p>  | 0.0358 | 2.9132787   | 1 Qntl.  |

|     |   |       |                |         |
|-----|---|-------|----------------|---------|
| ii) | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.015 | 1.2206475      | 1 Cum   |
| 3   | <b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge. | -     | <b>84.8425</b> | Sqm     |
| i)  | <b>BRM340</b> : Cement  | 0.043 | 3.6482275      | 1 Qntl. |
| ii) | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.018 | 1.527165       | 1 Cum   |
| 4   | <b>Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)</b> - Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.        | -     | <b>91.8025</b> | Sqm     |
| i)  | <b>BRM253</b> : Wall cement primer (I.S.I.) Water bound   | 0.084 | 7.71141        | 1 Ltr   |

|     |  |      |             |         |
|-----|--|------|-------------|---------|
| 5   | <p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b><br/> Earth work in hard soil or gravelly soil foundation &amp; 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</p>                                     | -    | 4.2912      | Cum     |
| 6   | <p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>   | -    | 2.95695     | Cum     |
| i)  | <b>BRM029</b> : Sand for filling and road blinding   | 1    | 2.95695     | 1 Cum   |
| 7   | <p><b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b><br/> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p> | -    | 1.2756375   | Cum     |
| i)  | <b>BRM340</b> : Cement   | 2.29 | 2.921209875 | 1 Qntl. |
| ii) | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.48 | 0.612306    | 1 Cum   |

|      |  |       |                |          |
|------|--|-------|----------------|----------|
| iii) | <b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)   | 0.96  | 1.224612       | 1 Cum.   |
| 8    | <b>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b><br>- Brickwork with Flyash Bricks of size (23cm x 11cm 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. | -     | <b>3.50448</b> | 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 ± 2 %  | 400   | 1401.792       | 1000 Nos |
| ii)  | <b>BRM340</b> : Cement   | 0.672 | 2.35501056     | 1 Qntl.  |
| iii) | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.28  | 0.9812544      | 1 Cum    |
| 9    | <b>Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) -</b><br>Finishing wall two coats with distemper of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)   | -     | <b>91.8025</b> | Sqm      |
| i)   | <b>BRM142</b> : Distemper  | 0.25  | 22.950625      | 1 Kg.    |

|      |   |        |            |         |
|------|---|--------|------------|---------|
| 10   | <b>Painting(AR0903i)</b><br>:.Painting two coats of enamel paint in outer surface paint (outer surface) -<br>Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)  | -      | 19.36125   | Sqm     |
| i)   | <b>BRM141</b> : Enamel paint  | 0.125  | 2.42015625 | 1 Litre |
| 11   | <b>Flooring (AR0802i)</b><br>:.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips<br>- 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.   | -      | 7.4725     | Sqm     |
| i)   | <b>BRM340</b> : Cement  | 0.0858 | 0.6411405  | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.012  | 0.08967    | 1 Cum   |
| iii) | <b>BRM056</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) (Crusher broken)  | 0.023  | 0.1718675  | 1 Cum.  |
| 12   | <b>Painting(AR0918f)</b><br>:.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) -<br>Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside) | -      | 491.3865   | Sqm     |

|    |                                |       |            |       |
|----|--------------------------------|-------|------------|-------|
| i) | BRM255 : Weather Coat (I.S.I.) | 0.125 | 61.4233125 | 1 Ltr |
|----|--------------------------------|-------|------------|-------|

| SI.No. | Material Name | Qty          | Unit     | Rate      | Amount          |
|--------|---------------|--------------|----------|-----------|-----------------|
| 1      | BRMMR0025     | 20.95471     | 1 Cum    | 33        | 691.50543       |
| 2      | BRM006        | 9783.676     | 1000 Nos | 5.36398   | 52479.44239048  |
| 3      | BRM340        | 26.560432255 | 1 Qntl.  | 585.022   | 15538.437198685 |
| 4      | BRM028        | 10.2983617   | 1 Cum    | 678.39    | 6986.305593663  |
| 5      | BRM253        | 7.71141      | 1 Ltr    | 159.57512 | 1230.5491761192 |
| 6      | BRM029        | 2.95695      | 1 Cum    | 673.45    | 1991.3579775    |
| 7      | BRM044        | 1.224612     | 1 Cum.   | 2179.16   | 2668.62548592   |
| 8      | BRM142        | 22.950625    | 1 Kg.    | 70.64512  | 1621.3496572    |
| 9      | BRM141        | 2.42015625   | 1 Litre  | 205.88512 | 498.27415995    |
| 10     | BRM056        | 0.1718675    | 1 Cum.   | 2580.53   | 443.509239775   |
| 11     | BRM255        | 61.4233125   | 1 Ltr    | 195.33512 | 11998.130117985 |

**Total: 96147.486427277**