

| ESTIMATION DPR |        |                 |          |              |        |                       |          |
|----------------|--------|-----------------|----------|--------------|--------|-----------------------|----------|
| <b>State</b>   | Odisha | <b>District</b> | Nayagarh | <b>Block</b> | Bhapur | <b>Gram Panchayat</b> | Baigunia |

|                         |  |
|-------------------------|--|
| <b>Work Code</b>        | OD/367/3523/120590/406192/00059608 (Development of Balinkeswar deba UP School at Boragaon) |
| <b>Project Category</b> | Building   |

|                             |                          |                              |  |
|-----------------------------|--------------------------|------------------------------|--|
| <b>Financial Year</b>       | 2025-26                  | <b>Execution Level</b>       | PS                                     |
| <b>Executing Agency</b>     | Panchayat Samiti, Bhapur | <b>Proposal Date</b>         | -                                      |
| <b>Date of Commencement</b> | 30-03-2026               | <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>    | Santosh Kumar Mallick    |                              |  |

### Administrative Approval Details

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Approval No.</b> | OD/367/3523/120590/406192/00059608/AS |
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### Technical Sanction Details

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| <b>Technical Sanction No.</b>        | OD/367/3523/120590/406192/00059608/TS |
| <b>Fund Sanction No.</b>             | 1198                                  |
| <b>Fund Sanction Amount (in Rs.)</b> | 200000                                |

### ROYALTY STATEMENT

| Sl.No. | Activity Name/Material   | Qty/unit (B=Analysis Basic Qty/Header Unit) | Quantity (Meaurement Qty) | Unit |
|--------|--|---|---------------------------|------|
| 1      | <b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift - 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</b> | -   | <b>12.09375</b>           | Cum  |

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|------|---|------|-----------|---------|
| 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.  | -    | 1.6125    | Cum     |
| i)   | <b>BRM029</b> : Sand for filling and road blinding  | 1    | 1.6125    | 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. | -    | 2.41875   | Cum     |
| i)   | <b>BRM340</b> : Cement  | 2.29 | 5.5389375 | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.48 | 1.161     | 1 Cum   |
| iii) | <b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)  | 0.96 | 2.322     | 1 Cum.  |

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|-----|--|-------|---------------|---------|
| 4   | <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>122.04</b> | Sqm     |
| i)  | <b>BRM340</b> : Cement   | 0.043 | 5.24772       | 1 Qntl. |
| ii) | <b>BRM028</b> : Screened<br>and washed sharp<br>sand for mortar  | 0.018 | 2.19672       | 1 Cum   |
| 5   | <b>R.C.C. Work</b><br><b>(AR0409)</b> :.Supplying,<br><b>fitting, and placing</b><br><b>uncoated HYSD bar</b><br><b>reinforcement</b><br><b>including labor</b><br><b>charges for cutting,</b><br><b>bending, binding, and</b><br><b>tying the grills and</b><br><b>placing in position -</b><br>Supplying, fitting, and<br>placing uncoated HYSD<br>bar reinforcement<br>including labor charges<br>for cutting, bending,<br>binding, and tying the<br>grills and placing in<br>position including cost<br>of binding wire 18 to 20<br>gauge with cost of steel<br>rod and as per drawing,<br>design, and direction of<br>Engineer-in-charge. | -     | <b>0.8</b>    | Qntl    |
| i)  | <b>BRM341</b> : Steel  | 1.05  | 0.84          | 1 Qntl. |

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|------|---|------|-----------|---------|
| 6    | <p><b>Concrete (AR0307)</b><br/> <b>:.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&amp;P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>   | -    | 0.79175   | Cum     |
| i)   | <b>BRM340</b> : Cement  | 3.23 | 2.5573525 | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar   | 0.45 | 0.3562875 | 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)  | 0.9  | 0.712575  | 1 Cum.  |
| 7    | <p><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 &amp; 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&amp;P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)</p> | -    | 0.465     | Cum     |

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|------|--|---------|---------------|---------|
| i)   | <b>BRM340</b> : Cement   | 3.4733  | 1.6150845     | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.45    | 0.20925       | 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    | 0.1674        | 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    | 0.2511        | 1 Cum.  |
| v)   | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)  | 0.01335 | 0.00620775    | 1Cum.   |
| vi)  | <b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.  | 0.00307 | 0.00142755    | 1Mtr.   |
| 8    | <b>R.C.C. Work (AR0404Ac)</b><br>:.Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips - 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) | -       | <b>0.3375</b> | Cum     |
| i)   | <b>BRM340</b> : Cement   | 3.4733  | 1.17223875    | 1 Qntl. |

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| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.45     | 0.151875     | 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     | 0.1215       | 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     | 0.18225      | 1 Cum.  |
| v)   | <b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.   | 0.045339 | 0.0153019125 | 1Mtr    |
| vi)  | <b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)  | 0.041529 | 0.0140160375 | 1Cum.   |
| 9    | <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. | -        | <b>5.375</b> | Cum     |
| i)   | <b>BRM340</b> : Cement   | 0.672    | 3.612        | 1 Qntl. |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.28     | 1.505        | 1 Cum   |

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| 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 $\pm$ 2 %  | 350   | 1881.25       | 1000 Nos |
| 10   | <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/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. | -     | <b>15.255</b> | Cum      |
| i)   | <b>BRM340</b> : Cement   | 0.672 | 10.25136      | 1 Qntl.  |
| ii)  | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.28  | 4.2714        | 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 $\pm$ 2 %  | 350   | 5339.25       | 1000 Nos |
| 11   | <b>Plastering (AR1004i) :.12mm thick cement plaster (1:6) over Brick work in outside.</b><br>- 12mm thick cement plaster (1:6) over Brick work in outside 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>15.05</b>  | Sqm      |

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|-----|--|--------|----------------|---------|
| i)  | <b>BRM340</b> : Cement   | 0.0358 | 0.53879        | 1 Qntl. |
| ii) | <b>BRM028</b> : Screened and washed sharp sand for mortar  | 0.015  | 0.22575        | 1 Cum   |
| 12  | <b>Painting(AR0918g) : Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work .(Outside) -</b><br>Finishing wall with two coats weather coat paint of approved shade including one coat of oil bound primer 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) | -      | <b>137.088</b> | Sqm     |
| i)  | <b>BRM255</b> : Weather Coat (I.S.I.)  | 0.125  | 17.136         | 1 Ltr   |
| ii) | <b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound  | 0.084  | 11.515392      | 1 Ltr   |

| S/N                          | Material Name | Qty        | Unit   | Royalty Rate | Amount         |
|------------------------------|---------------|------------|--------|--------------|----------------|
| 1                            | <b>BRM029</b> | 1.6125     | 1 Cum  | 305.25       | 492.215625     |
| 2                            | <b>BRM028</b> | 10.0772825 | 1 Cum  | 305.25       | 3076.090483125 |
| 3                            | <b>BRM044</b> | 2.322      | 1 Cum. | 199.5        | 463.239        |
| 4                            | <b>BRM056</b> | 0.712575   | 1 Cum. | 199.5        | 142.1587125    |
| 5                            | <b>BRM060</b> | 0.2889     | 1 Cum. | 199.5        | 57.63555       |
| 6                            | <b>BRM052</b> | 0.43335    | 1 Cum. | 199.5        | 86.453325      |
| <b>Total: 4317.792695625</b> |               |            |        |              |                |