

| ESTIMATION DPR | | | | | | | |
|----------------|--------|-----------------|----------|--------------|-----------|-----------------------|----------|
| State | Odisha | District | Gajapati | Block | Kasinagar | Gram Panchayat | Parthada |

| | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|
| Work Code | OD/353/3359/117485/414559/00064754 (Improvement of Tank at T.Gorba in Convergence with MGNREGA) | | | | | | |
| Project Category | Water Body | | | | | | |

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|-----------------------------|-----------------------------------|------------------------------|----------------------------|
| Financial Year | 2022-23 | Execution Level | PS |
| Executing Agency | Panchayat Samiti, Kasinagar | Proposal Date | - |
| Date of Commencement | 24-11-2025 | Date of Completion | - |
| Scheme Name | Kandhamal O Gajapati Bikas Yojana | Scheme Component Name | Self/Personal Deposit |
| Project Sub-Category | Tank | Project Type | Upgradation or Improvement |
| Name of Executant | Raj Kumar Sahoo | | |

Administrative Approval Details

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|---------------------|---------------------------------------|
| Approval No. | OD/353/3359/117485/414559/00064754/AS |
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Technical Sanction Details

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|--------------------------------------|---------------------------------------|
| Technical Sanction No. | OD/353/3359/117485/414559/00064754/TS |
| Fund Sanction No. | 2022 |
| Fund Sanction Amount (in Rs.) | 200000 |

ACTIVITY STATEMENT

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

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|---|--|-----|-------|-------------|------------|
| 1 | <p>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</p> | Cum | 2.916 | 240.77592 | 158160.142 |
| 2 | <p>Earth Work (AR0115) : 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.</p> | Cum | 0.243 | 1019.901232 | 158160.142 |

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|---|---|-----|-------|-----------------|------------|
| 3 | <p>Concrete (AR0303) : 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.</p> | Cum | 5.832 | 5849.63404072 | 158160.142 |
| 4 | <p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p> | Sqm | 12.96 | 216.23489289764 | 158160.142 |

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|---|---|-----|--------|--------|------------|
| 5 | <p>Special items for irrigation works (AR0216) : Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p> | Cum | 2354.8 | 67.165 | 158160.142 |
| Total Amount (in Rs.): 196027.55051953 | | | | | |

LABOUR STATEMENT

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

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|---|--|--------|-----------|-----|
| 1 | <p>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</p> | - | 2.916 | Cum |
| i | Un-Skilled | 0.516 | 1.504656 | - |
| 2 | <p>Earth Work (AR0115) : 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.</p> | - | 0.243 | Cum |
| i | Un-Skilled | 0.1236 | 0.0300348 | - |

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|----|--|------|---------|-----|
| 3 | <p>Concrete (AR0303) : 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.</p> | - | 5.832 | Cum |
| i | Skilled | 0.18 | 1.04976 | - |
| ii | Un-Skilled | 3.9 | 22.7448 | - |
| 4 | <p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p> | - | 12.96 | Sqm |
| i | Semi-Skilled | 0.05 | 0.648 | - |
| ii | Skilled | 0.05 | 0.648 | - |

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|---|--|---|--------|-----|
| 5 | <p>Special items for irrigation works (AR0216) : Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p> | - | 2354.8 | Cum |
|---|--|---|--------|-----|

| SI.No. | Labour Type | Qty Unit | Rate | Amount |
|-----------------------------|--------------|------------|------|---------------|
| 0 | Un-Skilled | 24.2794908 | 462 | 11217.1247496 |
| 1 | Skilled | 1.69776 | 562 | 954.14112 |
| 2 | Semi-Skilled | 0.648 | 512 | 331.776 |
| Total: 12503.0418696 | | | | |

MATERIAL STATEMENT

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

| | | | | |
|-----|--|------|----------|---------|
| 1 | <p>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</p> | - | 2.916 | Cum |
| 2 | <p>Earth Work (AR0115) :.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.</p> | - | 0.243 | Cum |
| i) | BRM029 : Sand for filling and road blinding | 1 | 0.243 | 1 Cum |
| 3 | <p>Concrete (AR0303) :.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.</p> | - | 5.832 | Cum |
| i) | BRM340 : Cement | 2.29 | 13.35528 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.48 | 2.79936 | 1 Cum |

| | | | | |
|------|--|---------|--------------|--------|
| iii) | BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 5.59872 | 1 Cum. |
| 4 | R.C.C. Work (AR0410c) :R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc | - | 12.96 | Sqm |
| i) | BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.00267 | 0.0346032 | 1Cum. |
| ii) | BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.126 | 1.63296 | 1Mtr. |

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|------|--|---|--|---------------|------|
| 5 | <p>Special items for irrigation works(AR0216) .Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p> | - | | 2354.8 | Cum |
| i) | BRMMR0065 : Add for trimming of slope and bed manually. | 1 | | 2354.8 | L.S. |
| ii) | BRMMR0102 : Cost of mechanical excavation per cum without supervision charge for item AR0216 | 1 | | 2354.8 | Cum |
| iii) | BRMMR0104 : ost of transportation of loose earth within the initial lead of 1 km, excluding supervision charges - AR0216 | 1 | | 2354.8 | Cum |

| SI.No. | Material Name | Qty | Unit | Rate | Amount |
|--------|---------------|-----------|---------|-----------|-----------------|
| 1 | BRM029 | 0.243 | 1 Cum | 673.45 | 163.64835 |
| 2 | BRM340 | 13.35528 | 1 Qntl. | 612.482 | 8179.86860496 |
| 3 | BRM028 | 2.79936 | 1 Cum | 678.39 | 1899.0578304 |
| 4 | BRM044 | 5.59872 | 1 Cum. | 1596.76 | 8939.8121472 |
| 5 | BRM104 | 0.0346032 | 1Cum. | 58573.086 | 2026.8162094752 |

| | | | | | |
|------------------------------|------------------|---------|-------|---------|--------------|
| 6 | BRM092 | 1.63296 | 1Mtr. | 229.106 | 374.12093376 |
| 7 | BRMMR0065 | 2354.8 | L.S. | 1 | 2354.8 |
| 8 | BRMMR0102 | 2354.8 | Cum | 25.01 | 58893.548 |
| 9 | BRMMR0104 | 2354.8 | Cum | 40.49 | 95345.852 |
| Total: 178177.5240758 | | | | | |

ROYALTY STATEMENT

| SI.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 | - | 2.916 | Cum |
| 2 | Earth Work (AR0115) :.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. | - | 0.243 | Cum |
| i) | BRM029 : Sand for filling and road blinding | 1 | 0.243 | 1 Cum |

| | | | | |
|------|--|----------|------------|---------|
| 3 | <p>Concrete (AR0303) :.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.</p> | - | 5.832 | Cum |
| i) | BRM340 : Cement | 2.29 | 13.35528 | 1 Qntl. |
| ii) | BRM028 : Screened and washed sharp sand for mortar | 0.48 | 2.79936 | 1 Cum |
| iii) | BRM044 : Granite Stone broken metal 40mm. size (Crusher broken) | 0.96 | 5.59872 | 1 Cum. |
| 4 | <p>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - 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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p> | - | 12.96 | Sqm |
| i) | BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma) | 0.00267 | 0.0346032 | 1Cum. |
| ii) | BRM092 : Non-sal bullahs 75mm. mean dia of any length. | 0.000614 | 0.00795744 | 1Mtr. |

| | | | | |
|---|--|---|--------|-----|
| 5 | <p>Special items for irrigation works(AR0216) .Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum within an initial lead of 1km from the place of excavation. - Excavation, loading, unloading, and carriage by mechanical means of all kinds of soil, including stoney earth, gravel, and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete. Per 1 cum.</p> | - | 2354.8 | Cum |
|---|--|---|--------|-----|

| S/N | Material Name | Qty | Unit | Royalty Rate | Amount |
|--------------------------|---------------|---------|--------|--------------|------------|
| 1 | BRM029 | 0.243 | 1 Cum | 279.25 | 67.85775 |
| 2 | BRM028 | 2.79936 | 1 Cum | 279.25 | 781.72128 |
| 3 | BRM044 | 5.59872 | 1 Cum. | 269.5 | 1508.85504 |
| Total: 2358.43407 | | | | | |

ADDITION COMPONENT

| SI.No. | Item Name | Amount (in Rs.) |
|---|---|-----------------|
| 1 | Display Citizen Board @ Rs. 1972 | Rs. 1972 |
| 2 | Provision for Contingency @ Rs. 2000 | Rs. 2000 |
| Total Addition Component Amount (in Rs.): 3972 | | |

Total Net Amount (in Rs.): 199999.55051953