

ESTIMATION DPR							
State	Odisha	District	Malkangiri	Block	Malkangiri	Gram Panchayat	Tamasa

Work Code	OD/364/3484/120005/430269/00063756 (Construction of Gourd wall at MV-7 pond)						
Project Category	Water Body						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Malkangiri	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Chief Minister Special Assistance (CM-SA)
Project Sub-Category	Guard Wall or Retaining Wall or Protection Wall	Project Type	New Work
Name of Executant			

### Administrative Approval Details

Approval No.	
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### Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	400000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  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>	Cum	42.9975	240.77592	10352.7626202
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>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>	Cum	4.59525	515.507232	2368.884607848

3	<p style="text-align: center;"><b>Concrete (AR0304) :</b>  <b>Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal -</b>  Cement concrete (1:4:8) 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>	Cum	56.0885	4983.89629992	279539.26761806
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4	<p style="text-align: center;"><b>R.C.C. Work (AR0404A)</b>  <b>: Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	5.28525	5566.9267692038	29422.599706934
5	<p style="text-align: center;"><b>R.C.C. Work (AR0410c) :</b>  <b>R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	92.04	216.39264180804	19916.778752012

6	<p><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>  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.</p>	Qntl	5.88177	8934.2883	52549.428894291
<b>Total Amount (in Rs.): 394149.72219935</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<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>  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>	-	42.9975	Cum

	i	Un-Skilled	0.516	22.18671	-
2		<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	4.59525	Cum
	i	Un-Skilled	0.1236	0.5679729	-
3		<b>Concrete (AR0304) : Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal -</b> Cement concrete (1:4:8) 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.	-	56.0885	Cum
	i	Un-Skilled	3.9	218.74515	-
	ii	Skilled	0.18	10.09593	-

4	<b>R.C.C. Work (AR0404A) :</b> <b>Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	5.28525	Cum
i	Un-Skilled	1.3333	7.046823825	-
ii	Skilled	0.1	0.528525	-
iii	Semi-Skilled	0.0573	0.302844825	-

5	<p><b>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	92.04	Sqm
i	Semi-Skilled	0.05	4.602	-
ii	Skilled	0.05	4.602	-
6	<p><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> 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.</p>	-	5.88177	Qntl
i	Un-Skilled	0.8	4.705416	-
ii	Highly-Skilled	0.3	1.764531	-

iii	Semi-Skilled	0.044	0.25879788	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	253.252072725	462	117002.45759895
2	Skilled	15.226455	562	8557.26771
3	Semi-Skilled	5.163642705	512	2643.78506496
4	Highly-Skilled	1.764531	612	1079.892972
<b>Total:</b>				<b>129283.40334591</b>

### MATERIAL 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 -</b> 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	-	<b>42.9975</b>	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	4.59525	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	4.59525	1 Cum
3	<b>Concrete (AR0304)</b> :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	56.0885	Cum
i)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	53.84496	1 Cum.
ii)	<b>BRM340</b> : Cement	1.72	96.47222	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	26.92248	1 Cum

4	<p><b>R.C.C. Work (AR0404A)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	<b>5.28525</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	18.357258825	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.3783625	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	1.90269	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	2.854035	1 Cum.

5	<b>R.C.C. Work (AR0410c) :-R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</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. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	92.04	Sqm
i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.2457468	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	11.59704	1Mtr.
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> 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.	-	5.88177	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	4.705416	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	6.1758585	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	4.59525	1 Cum	413.05	1898.0680125
2	<b>BRM044</b>	53.84496	1 Cum.	1362.4	73358.373504
3	<b>BRM340</b>	114.829478825	1 Qntl.	567.102	65120.027100615

4	<b>BRM028</b>	29.3008425	1 Cum	873.69	25599.853083825
5	<b>BRM060</b>	1.90269	1 Cum.	1785.82	3397.8618558
6	<b>BRM052</b>	2.854035	1 Cum.	1749.44	4992.9629904
7	<b>BRM104</b>	0.2457468	1Cum.	58620.646	14405.836168433
8	<b>BRM092</b>	11.59704	1Mtr.	276.666	3208.50666864
9	<b>BRM162</b>	4.705416	1 Kg.	90.1	423.9579816
10	<b>BRM341</b>	6.1758585	1 Qntl.	6621.332	40892.409513522
<b>Total: 233297.85687933</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	4.59525	1 Cum	40.25	184.9588125
2	<b>BRM044</b>	53.84496	1 Cum.	149.5	8049.82152
3	<b>BRM028</b>	29.3008425	1 Cum	40.25	1179.358910625
4	<b>BRM060</b>	1.90269	1 Cum.	149.5	284.452155
5	<b>BRM052</b>	2.854035	1 Cum.	149.5	426.6782325
<b>Total: 10125.269630625</b>					

## ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 1908	Rs. 1908
2	Provision for Contingency @ 1%	Rs. 3941.4972219935
<b>Total Addition Component Amount (in Rs.): 5849.4972219935</b>		

**Total Net Amount (in Rs.): 399999.21942134**