

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Kandhamal	<b>Block</b>	K.Nuagan	<b>Gram Panchayat</b>	Bondaguda

<b>Work Code</b>	OD/359/3426/118924/416119/00035797 (Renovation Of Tank At Bondaguda)
<b>Project Category</b>	Water Body

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, K.Nuagan	<b>Proposal Date</b>	20-07-2023
<b>Date of Commencement</b>	06-04-2026	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Maintenance of Capital Assets
<b>Project Sub-Category</b>	Tank	<b>Project Type</b>	Renovation or Rejuvenation
<b>Name of Executant</b>	SANDHYARANI PRADHAN		

### Administrative Approval Details

<b>Approval No.</b>	OD/359/3426/118924/416119/00035797/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/359/3426/118924/416119/00035797/TS
<b>Fund Sanction No.</b>	15596
<b>Fund Sanction Amount (in Rs.)</b>	600000

### ROYALTY STATEMENT

SI.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>41.5124288</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.	-	9.3162272	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	9.3162272	1 Cum
3	<b>Concrete (AR0303a)</b> :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	9.3162272	Cum
i)	<b>BRM340</b> : Cement	2.29	21.334160288	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.471789056	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	8.943578112	1 Cum.

4	<b>R.C.C. Work (AR0403A)</b> <b>:.Reinforced cement concrete work of M-15 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> Reinforced cement concrete work of M-15 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)	-	<b>29.5061056</b>	Cum
i)	<b>BRM340</b> : Cement	2.8	82.61709568	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.27774752	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	10.622198016	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	15.933297024	1 Cum.

5	<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>29.2512544</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	101.59838190752	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	13.16306448	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	10.530451584	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	15.795677376	1 Cum.

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.	-	15.14	Qntl
i)	<b>BRM341 : Steel</b>	1.05	15.897	1 Qntl.
7	<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	-	151.989308	Sqm
i)	<b>BRM104 : Non Sal wood scantling &amp; plants(Tentera, Kasi, Gamhari, Kuruma)</b>	0.00267	0.40581145236	1Cum.
ii)	<b>BRM092 : Non-sal bullahs 75mm. mean dia of any length.</b>	0.000614	0.093321435112	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	9.3162272	1 Cum	40.25	374.9781448
2	<b>BRM028</b>	30.912601056	1 Cum	40.25	1244.232192504
3	<b>BRM045</b>	8.943578112	1 Cum.	149.5	1337.064927744
4	<b>BRM060</b>	21.1526496	1 Cum.	149.5	3162.3211152
5	<b>BRM052</b>	31.7289744	1 Cum.	149.5	4743.4816728
<b>Total: 10862.078053048</b>					