

ESTIMATION DPR

State	Odisha	District	Khordha	Block	Banapur	Gram Panchayat	Nachuni
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Work Code	OD/362/3458/119572/408182/00069482 (CONSTRUCTION OF KALYAN MANDAP AT JIBANDEIPUR)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Banapur	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Kalyan Mandap	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.	9262
Fund Sanction Amount (in Rs.)	1000000

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;">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	113.1857892	240.77592	27252.412525556
2	<p style="text-align: center;">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	11.2623559136	1493.237732	16817.374801401

3	<p style="text-align: center;">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	12.87210936	6168.4428415	79400.870836697
4	<p style="text-align: center;">Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in- charge.</p>	Cum	37.16802570048	5867.4828698	218082.75410185

5	<p style="text-align: center;">R.C.C. Work (AR0404Aa) :</p> <p>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 foundation, footing bases of column, mass concreate, pre-cast slabs etc.)</p>	Cum	38.311072976	6641.0181040415	254424.52921887
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6	<p style="text-align: center;">R.C.C. Work (AR0404Ab) :</p> <p>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 Plinth band)</p>	Cum	8.82676564864	7397.8402291832	65299.002009081
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7	<p>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 - 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	39.5	8429.1795735	332952.59315325
Total Amount (in Rs.): 994229.53664671					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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>	-	113.1857892	Cum

	i	Un-Skilled	0.516	58.4038672272	-
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.	-	11.2623559136	Cum
	i	Un-Skilled	0.1236	1.392027190921	-
3		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.	-	12.87210936	Cum
	i	Skilled	0.18	2.3169796848	-
	ii	Un-Skilled	3.9	50.201226504	-

4	Masonry Stone Work (AR0717) : Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	37.16802570048	Cum
i	Un-Skilled	1.21	44.973311097581	-
ii	Skilled	1.05	39.026426985504	-
iii	Highly-Skilled	2.295	85.300618982602	-
iv	Semi-Skilled	1.41	52.406916237677	-

5	R.C.C. Work (AR0404Aa) : 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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	38.311072976	Cum
i	Un-Skilled	1.3333	51.080153598901	-
ii	Skilled	0.175	6.7044377708	-
iii	Semi-Skilled	0.1323	5.0685549547248	-

6	R.C.C. Work (AR0404Ab) : 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 Plinth band)	-	8.82676564864	Cum
i	Un-Skilled	1.3333	11.768726639332	-
ii	Skilled	0.35	3.089367977024	-
iii	Semi-Skilled	0.3073	2.7124650838271	-

7	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 - 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.	-	39.5	Qntl
i	Un-Skilled	0.8	31.6	-
ii	Highly-Skilled	0.3	11.85	-
iii	Semi-Skilled	0.044	1.738	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	249.41931225793	462	115231.72226317
2	Skilled	51.137212418128	562	28739.113378988
3	Highly-Skilled	97.150618982602	612	59456.178817352
4	Semi-Skilled	61.925936276229	512	31706.079373429
Total:				235133.09383293

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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>	-	113.1857892	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>	-	11.2623559136	Cum
i)	<p>BRM029 : Sand for filling and road blinding</p>	1	11.2623559136	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>	-	12.87210936	Cum
i)	<p>BRM340 : Cement</p>	2.29	29.4771304344	1 Qntl.
ii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.48	6.1786124928	1 Cum

iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	12.3572249856	1 Cum.
4	Masonry Stone Work (AR0717) :.Laterite stone masonry - Laterite stone masonry in cement mortar (1:6) in foundation and plinth cost conveyance, royalty, taxes of all materials, labor, required for the work, etc. complete and as per direction of the Engineer-in-charge.	-	37.16802570048	Cum
i)	BRM340 : Cement	0.572	21.260110700675	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.24	8.9203261681152	1 Cum
iii)	BRM079 : Laterite Stone rough dressed	1	37.16802570048	1 Cum.
5	R.C.C. Work (AR0404Aa) :.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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	38.311072976	Cum
i)	BRM340 : Cement	3.4733	133.06584976754	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	17.2399828392	1 Cum

iii)	BRM060 : 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	13.79198627136	1 Cum.
iv)	BRM052 : 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	20.68797940704	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.15343584726888	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	7.240792792464	1Mtr.
6	R.C.C. Work (AR0404Ab) ∴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 Plinth band)	-	8.82676564864	Cum
i)	BRM340 : Cement	3.4733	30.658005127421	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.972044541888	1 Cum

iii)	BRM060 : 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	3.1776356335104	1 Cum.
iv)	BRM052 : 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	4.7664534502656	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.11783732140934	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.63	5.5608623586432	1Mtr.
7	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 - 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.	-	39.5	Qntl
i)	BRM162 : Binding Wire.	0.8	31.6	1 Kg.
ii)	BRM341 : Steel	1.05	41.475	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	11.2623559136	1 Cum	1378.1	15520.652684532
2	BRM340	214.46109603004	1 Qntl.	569.387	122111.36008525
3	BRM028	36.310966042003	1 Cum	1384.49	50272.169375493
4	BRM044	12.3572249856	1 Cum.	1903.16	23517.776303594

5	BRM079	37.16802570048	1 Cum.	1637.89	60877.137614559
6	BRM060	16.96962190487	1 Cum.	2305.58	39124.820871431
7	BRM052	25.454432857306	1 Cum.	2290.2	58295.742129801
8	BRM104	0.27127316867822	1Cum.	58573.086	15889.306638482
9	BRM092	12.801655151107	1Mtr.	229.106	2932.9360050496
10	BRM162	31.6	1 Kg.	90.1	2847.16
11	BRM341	41.475	1 Qntl.	6216.787	257841.240825
Total: 649230.3025332					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	11.2623559136	1 Cum	43.25	487.0968932632
2	BRM028	36.310966042003	1 Cum	43.25	1570.4492813166
3	BRM044	12.3572249856	1 Cum.	170.5	2106.9068600448
4	BRM079	37.16802570048	1 Cum.	171.5	6374.3164076323
5	BRM060	16.96962190487	1 Cum.	170.5	2893.3205347804
6	BRM052	25.454432857306	1 Cum.	170.5	4339.9808021706
Total: 17772.070779208					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4770	Rs. 4770
2	Display Citizen Board @ Rs. 1000	Rs. 1000
Total Addition Component Amount (in Rs.): 5770		

Total Net Amount (in Rs.): 999999.53664671