

**ESTIMATION DPR**

<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Bahanaga	<b>Gram Panchayat</b>	Kuruda
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<b>Work Code</b>	OD/346/3298/116058/394018/00065305 (PROVISION OF FACILITY CENTRE AT KURUDA GP HQRS.)
<b>Project Category</b>	Building

<b>Financial Year</b>	2022-23	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Bahanaga	<b>Proposal Date</b>	20-07-2018
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Provision of Facilities at GP Head Quarter
<b>Project Sub-Category</b>	GP Facility Centre	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

**Administrative Approval Details**

<b>Approval No.</b>	
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**Technical Sanction Details**

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	11947
<b>Fund Sanction Amount (in Rs.)</b>	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;"><b>R.C.C. Work (AR0404Ac) :</b></p> <p><b>First Floor -</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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	Cum	9.486293511696	16468.066415839	156220.91159075
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2	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ad) :</b></p> <p><b>First Floor -</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)</p>	Cum	4.9021265448	14798.303425292	72543.156039129
3	<p style="text-align: center;"><b>R.C.C. Work (AR0404Ag) :</b></p> <p><b>First Floor -</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)</p>	Cum	26.530656081059	14363.423636323	381071.05264184

4	<p align="center"><b>Masonry Brick Work (AR0602bi) : First floor -</b> Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> immersing the with dimensional tolerance ±8 percent immersing in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in- charge.</p>	Cum	4.9732229504	6247.447617	31069.949870286
5	<p align="center"><b>R.C.C. Work (AR0409) :</b> <b>First floor -</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	40.91	8464.5474909	346284.63785272
<b>Total Amount (in Rs.): 987189.70799473</b>					

## LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>R.C.C. Work (AR0404Ac) : First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	-	9.486293511696	Cum
i	Un-Skilled	1.533295	14.545286410016	-
ii	Skilled	6.4015	60.726507915122	-
iii	Semi-Skilled	6.352395	60.26068347223	-
2	<p><b>R.C.C. Work (AR0404Ad) : First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)</p>	-	4.9021265448	Cum

	i	Un-Skilled	1.533295	7.5164061205091	-
	ii	Skilled	2.8075	13.762720274526	-
	iii	Semi-Skilled	2.758395	13.522001350544	-
3		<b>R.C.C. Work (AR0404Ag) : First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	26.530656081059	Cum
	i	Un-Skilled	1.533295	40.679322315807	-
	ii	Skilled	3.7813	100.32036983931	-
	iii	Semi-Skilled	3.732195	99.017581972448	-

4	<p><b>Masonry Brick Work (AR0602bi) : First floor</b> - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> immersing the with dimensional tolerance <math>\pm 8</math> percent immersing in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	4.9732229504	Cum
	i Un-Skilled	3.565	17.729539818176	-
	ii Skilled	1.2075	6.005166712608	-
	iii Highly-Skilled	0.4025	2.001722237536	-
5	<p><b>R.C.C. Work (AR0409) : First floor</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>	-	40.91	Qntl
	i Un-Skilled	0.84	34.3644	-
	ii Highly-Skilled	0.315	12.88665	-

iii	Semi-Skilled	0.0462	1.890042	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	114.83495466451	462	53053.749055003
2	Skilled	180.81476474156	562	101617.89778476
3	Semi-Skilled	174.69030879522	512	89441.438103154
4	Highly-Skilled	14.888372237536	612	9111.683809372
<b>Total:</b>				<b>253224.76875229</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>R.C.C. Work (AR0404Ac) :.First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)	-	<b>9.486293511696</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	32.948743254174	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.2688320802632	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	3.4150656642106	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	5.1225984963158	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	5.30352	50.31074736515	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0498348	0.47274753989667	1Cum.
2	<b>R.C.C. Work (AR0404Ad) :.First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Lintels)	-	<b>4.9021265448</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	17.026556128054	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.20595694516	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	1.764765556128	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	2.647148334192	1 Cum.
v)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	4.5234	22.174279212748	1Mtr.
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0889602	0.43609415785072	1Cum.
3	<b>R.C.C. Work (AR0404Ag) :.First Floor</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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	<b>26.530656081059</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	92.148927766342	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	11.938795236477	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	9.5510361891812	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	14.326554283772	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	198.0757558487	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	1.5987543150645	1Cum.
4	<b>Masonry Brick Work (AR0602bi)</b> :.First floor - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm <sup>2</sup> immersing the with dimensional tolerance ±8 percent immersing 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>4.9732229504</b>	Cum
i)	<b>BRMMR0025</b> : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	4.9732229504	1 Cum
ii)	<b>BRM340</b> : Cement	1	4.9732229504	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1.392502426112	1 Cum

iv)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance $\pm$ 2 %	350	1740.62803264	1000 Nos
5	<b>R.C.C. Work (AR0409) : First floor -</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.	-	<b>40.91</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	32.728	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	42.9555	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM340</b>	147.09745009897	1 Qntl.	561.987	82666.85468877
2	<b>BRM028</b>	19.806086688012	1 Cum	938.79	18593.756121839
3	<b>BRM060</b>	14.73086740952	1 Cum.	1981.12	29183.616042348
4	<b>BRM052</b>	22.09630111428	1 Cum.	1944.74	42971.560628984
5	<b>BRM084</b>	248.38650321385	1Mtr	250.166	62137.857962996
6	<b>BRM104</b>	2.5075960128119	1Cum.	58573.086	146877.63691169
7	<b>BRM094</b>	22.174279212748	1Mtr.	240.106	5324.1774846561
8	<b>BRMMR0025</b>	4.9732229504	1 Cum	33	164.1163573632
9	<b>BRM005</b>	1740.62803264	1000 Nos	7.24355	12608.326185829
10	<b>BRM162</b>	32.728	1 Kg.	90	2945.52
11	<b>BRM341</b>	42.9555	1 Qntl.	6223.876	267349.705518

**Total: 670823.12790247**

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM028</b>	19.806086688012	1 Cum	442.25	8759.2418377732
2	<b>BRM060</b>	14.73086740952	1 Cum.	552.5	8138.8042437597
3	<b>BRM052</b>	22.09630111428	1 Cum.	552.5	12208.20636564

**Total: 29106.252447172**

**ADDITION COMPONENT**

<b>Sl.No.</b>	<b>Item Name</b>	<b>Amount (in Rs.)</b>
1	Provision for Contingency @ Rs. 9881	Rs. 9881
2	Display Citizen Board @ Rs. 2000	Rs. 2000
<b>Total Addition Component Amount (in Rs.): 11881</b>		

**Total Net Amount (in Rs.): 999070.70799473**