

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Nilgiri	Gram Panchayat	Chatrapur

Work Code	OD/346/3305/116235/393305/00065819 (Natya mandap of Parasipal Thakurani mandap, Parasipal chhatrapur)						
Project Category	Building						

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Nilgiri	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO PANCHAYAT SAMITI
Project Sub-Category	Community Centre	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
---------------------	--

Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	101919

ACTIVITY STATEMENT

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

1	<p style="text-align: center;">Pile Foundation (AR1501ci) : For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M20. - For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M-20.</p>	Nos	4	296.03860833	1184.15443332
2	<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	1.0194048	240.77592	245.44812857242

3	<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	3.52156786176	1184.531232	4171.4071178622
4	<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	0.99958587168	6312.0643062	6309.4503016131

5	<p style="text-align: center;">Masonry</p> <p>Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks 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.</p>	Cum	1.91995549536	5457.34238896	10477.854509745
---	---	-----	---------------	---------------	-----------------

6	<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 concrete, pre-cast slabs etc.)</p>	Cum	3.5794480239296	6795.4940184405	24324.117635932
---	--	-----	-----------------	-----------------	-----------------

7	<p align="center">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	5.4377612348	216.23489289764	1175.8337182099
8	<p align="center">R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. beams, column, grider and bressmer, etc. Data for 4.2sqm</p>	Sqm	12.65524666	1047.3822930467	13254.881265822

9	<p style="text-align: center;">R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm</p>	Sqm	2.78523194	499.15267251462	1390.2559664241
10	<p style="text-align: center;">R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconie s, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</p>	Sqm	9.87187278	662.689943368	6541.9908135143

11	<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	3.5	8440.5169649	29541.80937715
Total Amount (in Rs.): 98617.203268166					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Pile Foundation (AR1501ci) : For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M20. - For each additinal / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M-20.</p>	-	4	Nos

	i	Un-Skilled	0.0327	0.1308	-
	ii	Skilled	0.0025	0.01	-
	iii	Semi-Skilled	0.0014	0.0056	-
	iv	Highly-Skilled	0.15	0.6	-
2		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	-	1.0194048	Cum
	i	Un-Skilled	0.516	0.5260128768	-
3		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.	-	3.52156786176	Cum

	i	Un-Skilled	0.1236	0.43526578771354	-
4		<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>	-	0.99958587168	Cum
	i	Skilled	0.18	0.1799254569024	-
	ii	Un-Skilled	3.9	3.898384899552	-
5		<p>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ±8 percent immersing the bricks 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.</p>	-	1.91995549536	Cum

	i	Un-Skilled	2.96	5.6830682662656	-
	ii	Skilled	1.05	2.015953270128	-
	iii	Highly-Skilled	0.35	0.671984423376	-
6		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.)	-	3.5794480239296	Cum
	i	Un-Skilled	1.3333	4.7724780503053	-
	ii	Skilled	0.175	0.62640340418768	-
	iii	Semi-Skilled	0.1323	0.47356097356589	-

7	<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>	-	5.4377612348	Sqm
i	Semi-Skilled	0.05	0.27188806174	-
ii	Skilled	0.05	0.27188806174	-
8	<p>R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. beams, column, girder and bressmer, etc. Data for 4.2sqm</p>	-	12.65524666	Sqm
i	Semi-Skilled	0.6547619047619	8.2861734083333	-
ii	Skilled	0.6547619047619	8.2861734083333	-

9	R.C.C. Work (AR0410e) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm	-	2.78523194	Sqm
i	Semi-Skilled	0.16025641025641	0.4463512724359	-
ii	Skilled	0.16025641025641	0.4463512724359	-
10	R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	9.87187278	Sqm
i	Semi-Skilled	0.30555555555556	3.0164055716667	-
ii	Skilled	0.30555555555556	3.0164055716667	-

11	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.	-	3.5	Qntl
i	Un-Skilled	0.8	2.8	-
ii	Highly-Skilled	0.3	1.05	-
iii	Semi-Skilled	0.044	0.154	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	18.246009880636	462	8429.656564854
2	Skilled	14.853100445394	562	8347.4424503114
3	Semi-Skilled	12.653979287742	512	6478.8373953238
4	Highly-Skilled	2.321984423376	612	1421.0544671061
Total: 24676.990877595				

MATERIAL STATEMENT

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

1	<p>Pile Foundation(AR1501ci) ∴For each additional / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M20. - For each additinal / less depth of 0.5 meter beyond initial depth of 6 meter add / deduct to / from the rate in single under-reamed (250mm dia) pile using 12mm size (crusher broken) chips in RCC M-20.</p>	-	4	Nos
i)	BRM340 : Cement	0.093	0.372	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.011	0.044	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.0221	0.0884	1 Cum.
iv)	BRM178 : Bentonite powder	0.075	0.3	1Qntl
v)	BRM342 : Tripod	0.03	0.12	Per day
2	<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>	-	1.0194048	Cum

3	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.	-	3.52156786176	Cum
i)	BRM029 : Sand for filling and road blinding	1	3.52156786176	1 Cum
4	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.	-	0.99958587168	Cum
i)	BRM340 : Cement	2.29	2.2890516461472	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	0.4798012184064	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	0.9596024368128	1 Cum.

5	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</p> <p>- Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks 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.</p>	-	1.91995549536	Cum
i)	BRM340 : Cement	0.672	1.2902100928819	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	0.5375875387008	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	671.984423376	1000 Nos

6	<p>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.)</p>	-	3.5794480239296	Cum
i)	BRM340 : Cement	3.4733	12.432496821515	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.6107516107683	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	1.2886012886147	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	1.932901932922	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.014335689335838	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	0.67651567652269	1Mtr.

7	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	-	5.4377612348	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.014518822496916	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.6851579155848	1Mtr.
8	R.C.C. Work (AR0410d) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. beams, column, girder and bressmer, etc. Data for 4.2sqm	-	12.65524666	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	6.9905172026667	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.065686756473333	1Cum.

9	R.C.C. Work (AR0410e) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm	-	2.78523194	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	0.74987013769231	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.014747446041282	1Cum.
10	R.C.C. Work (AR0410a) :.Centring & Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	9.87187278	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	6.1424986186667	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.049578738850667	1Cum.

11	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.	-	3.5	Qntl
i)	BRM162 : Binding Wire.	0.8	2.8	1 Kg.
ii)	BRM341 : Steel	1.05	3.675	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	16.383758560544	1 Qntl.	579.822	9499.6636560916
2	BRM028	2.6721403678755	1 Cum	678.39	1812.7533041631
3	BRM056	0.0884	1 Cum.	2232.49	197.352116
4	BRM178	0.3	1Qntl	337.87	101.361
5	BRM342	0.12	Per day	450	54
6	BRM029	3.52156786176	1 Cum	673.45	2371.5998765023
7	BRM044	0.9596024368128	1 Cum.	1831.12	1757.1472140967
8	BRM005	671.984423376	1000 Nos	7.0374	4729.0231810663
9	BRM060	1.2886012886147	1 Cum.	2254.54	2905.2031492333
10	BRM052	1.932901932922	1 Cum.	2218.16	4287.4857515302
11	BRM104	0.15886745319804	1Cum.	58573.086	9305.3569987695
12	BRM092	1.3616735921075	1Mtr.	229.106	311.96758999338
13	BRM084	13.133015821333	1Mtr	250.166	3285.4340359597
14	BRM094	0.74987013769231	1Mtr.	240.106	180.04831928075
15	BRM162	2.8	1 Kg.	90	252
16	BRM341	3.675	1 Qntl.	6228.632	22890.2226

Total: 63940.618792687

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	2.6721403678755	1 Cum	442.25	1181.7540776929
2	BRM056	0.0884	1 Cum.	522.5	46.189
3	BRM029	3.52156786176	1 Cum	442.25	1557.4133868634
4	BRM044	0.9596024368128	1 Cum.	522.5	501.39227323469
5	BRM060	1.2886012886147	1 Cum.	522.5	673.29417330116
6	BRM052	1.932901932922	1 Cum.	522.5	1009.9412599517
Total: 4969.9841710439					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1020	Rs. 1020
2	Display Citizen Board @ Rs. 1000	Rs. 1000
3	Any Other Lumpsum @ Rs. 1281	Rs. 1281
Total Addition Component Amount (in Rs.): 3301		

Total Net Amount (in Rs.): 101918.20326817