

ESTIMATION DPR							
State	Odisha	District	Jagatsinghpur	Block	Kujang	Gram Panchayat	Malhasahi

Work Code	OD/355/3390/118163/397202/00043041 (Construction of Boundary wall of Sarada Sundari Temple village Madhapur GP Mallasahi)
Project Category	Religious Structures

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Kujang	Proposal Date	-
Date of Commencement	10-12-2025	Date of Completion	-
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD
Project Sub-Category	Religious Structures	Project Type	New Work
Name of Executant	JHIMI SINGH		

### Administrative Approval Details

Approval No.	OD/355/3390/118163/397202/00043041/AS
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### Technical Sanction Details

Technical Sanction No.	OD/355/3390/118163/397202/00043041/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	150000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0101aa)</b> ∴Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum	-	8.919792	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.	-	1.26151344	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	1.26151344	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	1.26151344	Cum
i)	<b>BRM340</b> : Cement	2.29	2.8888657776	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	0.6055264512	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	1.2110529024	1 Cum.

4	<p><b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - 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/cm<sup>2</sup> with dimensional tolerance <math>\pm 8</math> percent immersing the bricks 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>	-	3.6097584116	Cum
i)	<b>BRM340</b> : Cement	0.672	2.4257576525952	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	1.010732355248	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	1263.41544406	1000 Nos
5	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b>  Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm<sup>2</sup> with dimensional tolerance <math>\pm 8</math> percent immersing the bricks 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>	-	3.242061224	Cum

i)	<b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b>	1	3.242061224	1 Cum
ii)	<b>BRM340 : Cement</b>	0.672	2.178665142528	1 Qntl.
iii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.28	0.90777714272	1 Cum
iv)	<b>BRM005 : 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 <math>\pm</math> 2 %</b>	350	1134.7214284	1000 Nos
6	<b>R.C.C. Work (AR0404A) :.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips - 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)</b>	-	<b>3.4337376432</b>	Cum
i)	<b>BRM340 : Cement</b>	3.4733	11.926400956127	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.45	1.54518193944	1 Cum
iii)	<b>BRM060 : Granite Stone broken chips 10mm. size (Minimum 65% by Wt. Passing through 9.5mm sieve &amp; retained on 6.3mm sieve but whole should pass through 13.2mm sieve) (Crusher broken)</b>	0.36	1.236145551552	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	1.854218327328	1 Cum.
7	<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.	-	<b>2.9498</b>	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	2.35984	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	3.09729	1 Qntl.
8	<b>R.C.C. Work (AR0410d) :.Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting -</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. beams, column, grider and bressmer, etc. Data for 4.2sqm	-	<b>21.9436886</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	12.121275607619	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.11389819320952	1Cum.

9	<b>Plastering (AR1004)</b> :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.	-	<b>39.01926</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	1.396889508	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.5852889	1 Cum
10	<b>Plastering (AR1014)</b> :.16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp. and as per direction of Engineer-in-charge.	-	<b>39.01926</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.67782818	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.70234668	1 Cum

11	<b>Painting(AR0901di)</b> :.Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface ) - Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	78.03852	Sqm
i)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	7.048640516129	1 Ltr
12	<b>Painting(AR0918f)</b> :.Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside) - Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)	-	78.03852	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	9.754815	1 Ltr

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	1.26151344	1 Cum	534.51	674.2915488144
2	<b>BRM340</b>	22.49440721685	1 Qntl.	603.877	13583.85514689
3	<b>BRM028</b>	5.356853468608	1 Cum	543.02	2908.8785705235
4	<b>BRM044</b>	1.2110529024	1 Cum.	2501.16	3029.0370773668
5	<b>BRM005</b>	2398.13687246	1000 Nos	6.1539	14757.894499432
6	<b>BRMMR0025</b>	3.242061224	1 Cum	33	106.988020392
7	<b>BRM060</b>	1.236145551552	1 Cum.	2924.58	3615.2065571579
8	<b>BRM052</b>	1.854218327328	1 Cum.	2888.2	5355.3533729887
9	<b>BRM162</b>	2.35984	1 Kg.	90.1	212.621584

10	<b>BRM341</b>	3.09729	1 Qntl.	6210.377	19235.33857833
11	<b>BRM084</b>	12.121275607619	1Mtr	250.166	3032.3310336556
12	<b>BRM104</b>	0.11389819320952	1Cum.	58573.086	6671.3686661061
13	<b>BRM253</b>	7.048640516129	1 Ltr	159.27787	1122.6924478047
14	<b>BRM255</b>	9.754815	1 Ltr	195.03787	1902.5583398441
					<b>Total: 76208.415443305</b>