

ESTIMATION DPR							
State	Odisha	District	Balasore	Block	Basta	Gram Panchayat	Velora

Work Code	OD/346/3301/275543/392326/00063451 (REPAIR AND MAINTENANCE BINJHAPURA GOVT PRY SCHOOL)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Basta	Proposal Date	07-12-2024
Date of Commencement	06-11-2025	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Primary School Building
Project Sub-Category	Elementary School	Project Type	Repair and Maintenance
Name of Executant			

Administrative Approval Details

Approval No.	OD/346/3301/275543/392326/00063451/AS
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	28923
Fund Sanction Amount (in Rs.)	300000

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;">Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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	5.25666845504	5446.930366832	28632.707036125
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2	<p style="text-align: center;">R.C.C. Work (AR0404A) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips -</p> <p>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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	10.44302691865	6805.0045607598	71064.845809551
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3	<p style="text-align: center;">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	10.43	8941.219526	93256.91965618
4	<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	16.7446323334	499.15267251462	8358.1279794913

5	<p style="text-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, girder and bressmer, etc. Data for 4.2sqm</p>	Sqm	20.9286211317	1047.3822930467	21920.267191226
6	<p style="text-align: center;">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</p>	Sqm	57.4500817834	662.689943368	38071.591443528

7	<p style="text-align: center;">Iron Work (AR1704) : Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.</p>	Qntl	2.125	16245.277147087	34521.21393756
Total Amount (in Rs.): 295825.67305366					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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>	-	5.25666845504	Cum
	i Un-Skilled	2.96	15.559738626918	-
	ii Skilled	1.05	5.519501877792	-

	iii	Highly-Skilled	0.35	1.839833959264	-
2		R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	10.44302691865	Cum
	i	Un-Skilled	1.3333	13.923687790636	-
	ii	Skilled	0.1	1.044302691865	-
	iii	Semi-Skilled	0.0573	0.59838544243864	-

3	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.	-	10.43	Qntl
i	Un-Skilled	0.8	8.344	-
ii	Highly-Skilled	0.3	3.129	-
iii	Semi-Skilled	0.044	0.45892	-
4	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	-	16.7446323334	Sqm
i	Semi-Skilled	0.16025641025641	2.6834346688141	-

	ii	Skilled	0.16025641025641	2.6834346688141	-
5		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	-	20.9286211317	Sqm
	i	Semi-Skilled	0.6547619047619	13.703263836232	-
	ii	Skilled	0.6547619047619	13.703263836232	-
6		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	-	57.4500817834	Sqm
	i	Semi-Skilled	0.30555555555556	17.554191656039	-

	ii	Skilled	0.305555555555556	17.554191656039	-
7		Iron Work (AR1704) : Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	2.125	Qntl
	i	Un-Skilled	6.3976377952756	13.594980314961	-
	ii	Semi-Skilled	1.9685039370079	4.1830708661417	-
	iii	Skilled	3.9370078740157	8.3661417322835	-
	iv	Highly-Skilled	3.4448818897638	7.320374015748	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	51.422406732515	462	23757.151910422
2	Skilled	48.870836463026	562	27465.41009222
3	Highly-Skilled	12.289207975012	612	7520.9952807074
4	Semi-Skilled	39.181266469666	512	20060.808432469
Total: 78804.365715818				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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>	-	5.25666845504	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	5.25666845504	1 Cum
ii)	BRM340 : Cement	0.672	3.5324812017869	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.4718671674112	1 Cum
iv)	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 ± 2 %	350	1839.833959264	1000 Nos

2	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	10.44302691865	Cum
i)	BRM340 : Cement	3.4733	36.271765396547	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	4.6993621133925	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	3.759489690714	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	5.639234536071	1 Cum.

3	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.	-	10.43	Qntl
i)	BRM162 : Binding Wire.	0.8	8.344	1 Kg.
ii)	BRM341 : Steel	1.05	10.9515	1 Qntl.
4	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	-	16.7446323334	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	4.5081702436077	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.088660681457618	1Cum.

5	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 centering 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	-	20.9286211317	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	11.560571672749	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.10862950968359	1Cum.
6	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 centering 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	-	57.4500817834	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	35.746717554116	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.28852707740108	1Cum.

7	Iron Work(AR1704) :.Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	2.125	Qntl
i)	BRM341 : Steel	1	2.125	1 Qntl.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRMMR0025	5.25666845504	1 Cum	33	173.47005901632
2	BRM340	39.804246598334	1 Qntl.	546.307	21745.338546396
3	BRM028	6.1712292808037	1 Cum	782.55	4829.2954736929
4	BRM005	1839.833959264	1000 Nos	6.9785	12839.281284724
5	BRM060	3.759489690714	1 Cum.	2758.98	10372.356866886
6	BRM052	5.639234536071	1 Cum.	2722.6	15353.379947907
7	BRM162	8.344	1 Kg.	90	750.96
8	BRM341	13.0765	1 Qntl.	6628.205	86673.7226825
9	BRM094	4.5081702436077	1Mtr.	240.106	1082.4387245117
10	BRM104	0.48581726854228	1Cum.	58573.086	28455.816650612
11	BRM084	47.307289226864	1Mtr	250.166	11834.675316728
Total: 194110.73555297					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	6.1712292808037	1 Cum	344.25	2124.4456799167
2	BRM060	3.759489690714	1 Cum.	522.5	1964.3333633981
3	BRM052	5.639234536071	1 Cum.	522.5	2946.5000450971
Total: 7035.2790884118					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 3000	Rs. 3000

2	Display Citizen Board @ Rs. 1174.32	Rs. 1174.32
Total Addition Component Amount (in Rs.): 4174.32		

Total Net Amount (in Rs.): 299999.99305366