

ESTIMATION DPR							
State	Odisha	District	Rayagada	Block	Ramanaguda	Gram Panchayat	Ukkamba

Work Code	OD/370/3556/121248/426792/00054052 (REPAIR AND MAINTANENCE OF PRY SCHOOL PUJARIGUDA UKKAMBA)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Ramanaguda	Proposal Date	-
Date of Commencement	16-10-2025	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	TRINATH MISHRA		

Administrative Approval Details

Approval No.	OD/370/3556/121248/426792/00054052/AS
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Technical Sanction Details

Technical Sanction No.	OD/370/3556/121248/426792/00054052/TS
Fund Sanction No.	28923
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only)</p> <p>- Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)</p>	Cum	2.1651	7577.25397054	12864.13101759
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2	<p>Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm 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	13.18725	4940.515340672	12864.13101759
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3	<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	1.8	8933.9152161	12864.13101759
4	<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>	Sqm	10.11	216.23489289764	12864.13101759

5	<p>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	8.13	499.15267251462	12864.13101759
6	<p>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	1.08	662.689943368	12864.13101759

7	Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	Sqm	57.105	521.37106791032	12864.13101759
8	Plastering (AR1014) : 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.	Sqm	53.64	239.823471618	12864.13101759
Total Amount (in Rs.): 147235.34787106					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>R.C.C. Work (AR0402) : Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting (To be used for minor repair work only) -</p> <p>'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)</p>	-	2.1651	Cum
i	Un-Skilled	4.6	9.95946	-
ii	Skilled	0.68	1.472268	-

2	Masonry Brick Work (AR0603ci) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm ² 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.	-	13.18725	Cum
i	Un-Skilled	2.96	39.03426	-
ii	Skilled	1.05	13.8466125	-
iii	Highly-Skilled	0.35	4.6155375	-

3	<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>	-	1.8	Qntl
i	Un-Skilled	0.8	1.44	-
ii	Highly-Skilled	0.3	0.54	-
iii	Semi-Skilled	0.044	0.0792	-
4	<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>	-	10.11	Sqm
i	Semi-Skilled	0.05	0.5055	-

	ii	Skilled	0.05	0.5055	-
5		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	-	8.13	Sqm
	i	Semi-Skilled	0.16025641025641	1.3028846153846	-
	ii	Skilled	0.16025641025641	1.3028846153846	-
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	-	1.08	Sqm
	i	Semi-Skilled	0.30555555555556	0.33	-
	ii	Skilled	0.30555555555556	0.33	-

7	Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	57.105	Sqm
i	Un-Skilled	0.21505376344086	12.28064516129	-
ii	Highly-Skilled	0.16129032258065	9.2104838709677	-
8	Plastering (AR1014) : 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.	-	53.64	Sqm
i	Un-Skilled	0.24	12.8736	-
ii	Skilled	0.16	8.5824	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	75.58796516129	462	34921.639904516

1	Skilled	26.039665115385	562	14634.291794846
2	Highly-Skilled	14.366021370968	612	8792.0050790323
3	Semi-Skilled	2.2175846153846	512	1135.4033230769
				Total: 59483.340101471

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<p>R.C.C. Work (AR0402) :.Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) -</p> <p>'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)</p>	-	2.1651	Cum
i)	BRM340 : Cement	4.29	9.288279	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.974295	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)	0.9	1.94859	1 Cum.

2	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm 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>	-	13.18725	Cum
i)	<p>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</p>	1	13.18725	1 Cum
ii)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	5274.9	1000 Nos
iii)	<p>BRM340 : Cement</p>	0.672	8.861832	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	3.69243	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.	-	1.8	Qntl
i)	BRM162 : Binding Wire.	0.8	1.44	1 Kg.
ii)	BRM341 : Steel	1.05	1.89	1 Qntl.
4	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	-	10.11	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0269937	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	1.27386	1Mtr.

5	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	-	8.13	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	2.1888461538462	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.043047307692308	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 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	-	1.08	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	0.672	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.005424	1Cum.

7	Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	57.105	Sqm
i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	57.105	1 Sqm
8	Plastering (AR1014) :.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.	-	53.64	Sqm
i)	BRM340 : Cement	0.043	2.30652	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.96552	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	20.456631	1 Qntl.	537.807	11001.719348217
2	BRM028	5.632245	1 Cum	352.89	1987.56293805
3	BRM056	1.94859	1 Cum.	1933.03	3766.6829277
4	BRMMR0025	13.18725	1 Cum	33	435.17925
5	BRM006	5274.9	1000 Nos	5.24616	27672.969384
6	BRM162	1.44	1 Kg.	90.1	129.744
7	BRM341	1.89	1 Qntl.	6620.127	12512.04003
8	BRM104	0.075465007692308	1Cum.	58573.086	4420.2183855522
9	BRM092	1.27386	1Mtr.	229.106	291.84896916
10	BRM094	2.1888461538462	1Mtr.	240.106	525.55509461538

11	BRM084	0.672	1Mtr	250.166	168.111552
12	BRM149	57.105	1 Sqm	318.144462	18167.63950251
Total: 81079.271381805					

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	R.C.C. Work (AR0402) :.Reinforced cement concrete (1:11/2:3) work with 12mm size black hard crusher broken granite chips including hoisting and laying in position compacting(To be used for minor repair work only) - 'Reinforced cement concrete (1:1.5:3) work with 12mm 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. (To be used for minor repair work only)	-	2.1651	Cum
i)	BRM340 : Cement	4.29	9.288279	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.974295	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)	0.9	1.94859	1 Cum.

2	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm 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>	-	13.18725	Cum
i)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %</p>	400	5274.9	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	8.861832	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	3.69243	1 Cum
3	<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>	-	1.8	Qntl
i)	<p>BRM341 : Steel</p>	1.05	1.89	1 Qntl.

4	<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>	-	10.11	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0269937	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000614	0.00620754	1Mtr.
5	<p>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>	-	8.13	Sqm
i)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.0035384615384615	0.028767692307692	1Mtr.
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.043047307692308	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 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	-	1.08	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.0076666666666667	0.00828	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.005424	1Cum.
7	Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	-	57.105	Sqm
i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	57.105	1 Sqm

8	Plastering (AR1014) :.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.	-	53.64	Sqm
i)	BRM340 : Cement	0.043	2.30652	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.96552	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	5.632245	1 Cum	55.25	311.18153625
2	BRM056	1.94859	1 Cum.	164.5	320.543055
3	BRM006	5274.9	1000 Nos	0.04025	212.314725
Total: 844.03931625					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 1264	Rs. 1264
2	Display Citizen Board @ Rs. 1500	Rs. 1500
Total Addition Component Amount (in Rs.): 2764		

Total Net Amount (in Rs.): 149999.34787106