

ESTIMATION DPR

State	Odisha	District	Balasore	Block	Baliapal	Gram Panchayat	Kumbhari
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Work Code	OD/346/3300/116110/391944/00066294 (REPAIR AND MAINTENANCE OF SN UP SCHOOL BUILDING AT KUMBHARI)
Project Category	Building

Financial Year	2022-23	Execution Level	PS
Executing Agency	Panchayat Samiti, Baliapal	Proposal Date	-
Date of Commencement	-	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.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	400000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	Sqm	74.8	195.202156216	14601.121284957
2	<p>Plastering (AR1004) : 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.</p>	Sqm	110.74	182.369925224	20195.645519306

3	<p>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.</p>	Sqm	109.32	259.12532124	28327.580117957
4	<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 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</p>	Sqm	21.15	1047.3822930467	22152.135497938

5	<p style="text-align: center;">R.C.C. Work (AR0410a) :</p> <p>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	82.5	662.689943368	54671.92032786
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6	<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	12.705	7257.293826724	92203.918068528
7	<p style="text-align: center;">Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips -</p> <p>2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.</p>	Sqm	74.8	396.815862324	29681.826501835

8	<p align="center">R.C.C. Work (AR0409) :</p> <p>First floor - 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	13.755	8507.4192639	117019.55197494
9	<p align="center">Iron Work (AR1702) : Iron work wrought and put up in window grating including drilling holes in choukathas -</p> <p>Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.</p>	Qntl	2.05	9063.2488584724	18579.660159868
Total Amount (in Rs.): 397433.35945319					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.</p>	-	74.8	Sqm
i	Un-Skilled	0.17	12.716	-
ii	Skilled	0.14	10.472	-
2	<p>Plastering (AR1004) : 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.</p>	-	110.74	Sqm
i	Un-Skilled	0.12	13.2888	-
ii	Skilled	0.14	15.5036	-

3	<p>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.</p>	-	109.32	Sqm
i	Un-Skilled	0.24	26.2368	-
ii	Skilled	0.16	17.4912	-
4	<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, grider and bressmer, etc. Data for 4.2sqm</p>	-	21.15	Sqm
i	Semi-Skilled	0.6547619047619	13.848214285714	-
ii	Skilled	0.6547619047619	13.848214285714	-

5	<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>	-	82.5	Sqm
i	Semi-Skilled	0.305555555555556	25.2083333333333	-
ii	Skilled	0.305555555555556	25.2083333333333	-
6	<p>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)</p>	-	12.705	Cum

	i	Un-Skilled	1.3333	16.9395765	-
	ii	Skilled	0.1	1.2705	-
	iii	Semi-Skilled	0.0573	0.7279965	-
7		Flooring (AR0802ii) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	74.8	Sqm
	i	Un-Skilled	0.36	26.928	-
	ii	Highly-Skilled	0.13	9.724	-
8		R.C.C. Work (AR0409) : First floor - 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.	-	13.755	Qntl
	i	Un-Skilled	0.84	11.5542	-

	ii	Highly-Skilled	0.315	4.332825	-
	iii	Semi-Skilled	0.0462	0.635481	-
9		Iron Work (AR1702) : Iron work wrought and put up in window grating including drilling holes in choukathas - Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in- Charge.	-	2.05	Qntl
	i	Semi-Skilled	1.4763779527559	3.0265748031496	-
	ii	Skilled	1.4763779527559	3.0265748031496	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	107.6633765	462	49740.479943
2	Skilled	86.820422422197	562	48793.077401275
3	Semi-Skilled	43.446599922197	512	22244.659160165
4	Highly-Skilled	14.056825	612	8602.7769
Total:				129380.99340444

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Plastering (AR1027) :.6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside) - 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.	-	74.8	Sqm
i)	BRM340 : Cement	0.0372	2.78256	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.561	1 Cum
2	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	110.74	Sqm
i)	BRM340 : Cement	0.0358	3.964492	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.6611	1 Cum

3	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.	-	109.32	Sqm
i)	BRM340 : Cement	0.043	4.70076	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.96776	1 Cum
4	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	-	21.15	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	11.682857142857	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.10977857142857	1Cum.

5	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	-	82.5	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	51.3333333333333	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.414333333333333	1Cum.
6	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)	-	12.705	Cum
i)	BRM340 : Cement	3.4733	44.1282765	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	5.71725	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	4.5738	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	6.8607	1 Cum.
7	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	74.8	Sqm
i)	BRM340 : Cement	0.0858	6.41784	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.8976	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	1.7204	1 Cum.
8	R.C.C. Work (AR0409) :.First floor - 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.	-	13.755	Qntl

i)	BRM162 : Binding Wire.	0.8	11.004	1 Kg.
ii)	BRM341 : Steel	1.05	14.44275	1 Qntl.
9	Iron Work(AR1702) :.Iron work wrought and put up in window grating including drilling holes in choukathas - Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	2.05	Qntl
i)	BRM341 : Steel	1	2.05	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	61.9939285	1 Qntl.	567.932	35208.335800862
2	BRM028	10.80471	1 Cum	1076.79	11634.4036809
3	BRM084	63.01619047619	1Mtr	250.166	15764.508306667
4	BRM104	0.5241119047619	1Cum.	58573.086	30698.851671243
5	BRM060	4.5738	1 Cum.	2970.58	13586.838804
6	BRM052	6.8607	1 Cum.	2934.2	20130.66594
7	BRM057	1.7204	1 Cum.	2601.91	4476.325964
8	BRM162	11.004	1 Kg.	90	990.36
9	BRM341	16.49275	1 Qntl.	6264.302	103315.5668105
Total: 235805.85697817					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	10.80471	1 Cum	433.25	4681.1406075
2	BRM060	4.5738	1 Cum.	522.5	2389.8105
3	BRM052	6.8607	1 Cum.	522.5	3584.71575
4	BRM057	1.7204	1 Cum.	522.5	898.909
Total: 11554.5758575					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
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1	Provision for Contingency @ 0.5%	Rs. 1987.1667972659
2	Display Citizen Board @ Rs. 500	Rs. 500
Total Addition Component Amount (in Rs.): 2487.1667972659		

Total Net Amount (in Rs.): 399920.52625046