

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Joda	Gram Panchayat	Bolani

Work Code	OD/361/3451/119441/385273/00057953 (REPAIR AND MAINTENANCE OF DUMURTA PRIMARY SCHOOL)
Project Category	Building

Financial Year	2020-21	Execution Level	PS
Executing Agency	Panchayat Samiti, Joda	Proposal Date	22-10-2021
Date of Commencement	13-10-2025	Date of Completion	17-10-2025
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	ARCHANA JENA		

Administrative Approval Details

Approval No.	OD/361/3451/119441/385273/00057953/AS
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Technical Sanction Details

Technical Sanction No.	OD/361/3451/119441/385273/00057953/TS
Fund Sanction No.	328
Fund Sanction Amount (in Rs.)	200000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	74.465	112.89193548387	10504.758179135

2	<p>Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge. (Old Work)</p>	Sqm	74.465	799.9813954962	10504.758179135
3	<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	60.894	200.8874089672	10504.758179135

4	<p>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner 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.</p>	Sqm	294.6105	71.85266428151	10504.758179135
5	<p>Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)</p>	Sqm	294.6105	93.9822258375	10504.758179135

6	Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	Sqm	342.8205	160.76701381363	10504.758179135
7	Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	Sqm	45.59625	230.38645018253	10504.758179135
Total Amount (in Rs.): 194685.63660672					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	74.465	Sqm
i	Un-Skilled	0.24193548387097	18.015725806452	-
2	Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)	-	74.465	Sqm
i	Un-Skilled	1.008	75.06072	-
ii	Highly-Skilled	0.165	12.286725	-

3	<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>	-	60.894	Sqm
	i Un-Skilled	0.17	10.35198	-
	ii Skilled	0.14	8.52516	-
4	<p>Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner 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.</p>	-	294.6105	Sqm
	i Highly-Skilled	0.053763440860215	15.839274193548	-
	ii Un-Skilled	0.053763440860215	15.839274193548	-

5	Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	294.6105	Sqm
i	Highly-Skilled	0.054	15.908967	-
ii	Un-Skilled	0.064	18.855072	-
6	Painting (AR0918cb) : Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	342.8205	Sqm
i	Un-Skilled	0.11776344086022	40.371721677419	-
ii	Highly-Skilled	0.10776344086022	36.943516677419	-

7	Painting (AR0903b) : Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	45.59625	Sqm
i	Highly-Skilled	0.18817204301075	8.579939516129	-
ii	Un-Skilled	0.17204301075269	7.8445161290323	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	186.33900980645	462	86088.622530581
1	Highly-Skilled	89.558422387097	612	54809.754500903
2	Skilled	8.52516	562	4791.13992
Total:				145689.51695148

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1620) :.Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	74.465	Sqm

2	<p>Concrete (AR0318) :.4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in-charge. (Old Work)</p>	-	74.465	Sqm
i)	BRM340 : Cement	0.1287	9.5836455	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.34037	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1.34037	1 Cum.
iv)	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)	0.018	1.34037	1 Cum.
3	<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>	-	60.894	Sqm

i)	BRM340 : Cement	0.0372	2.2652568	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.456705	1 Cum
4	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner 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.	-	294.6105	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	24.747282	1 Ltr
5	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	294.6105	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	36.8263125	1 Litre
6	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	342.8205	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	42.8525625	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	30.964432258065	1 Ltr
7	Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	45.59625	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.4621975	1 Litre
ii)	BRM141 : Enamel paint	0.125	5.69953125	1 Litre

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	11.8489023	1 Qntl.	616.087	7299.9546713001
2	BRM028	1.797075	1 Cum	1662.91	2988.37398825
3	BRM064	1.34037	1 Cum.	2080.11	2788.1170407
4	BRM056	1.34037	1 Cum.	2599.91	3484.8413667
5	BRM253	55.711714258065	1 Ltr	159.51567	8886.8914267237
6	BRM140	36.8263125	1 Litre	243.48567	8966.6793726919
7	BRM255	42.8525625	1 Ltr	195.27567	8368.0628534044
8	BRM137	2.4621975	1 Litre	143.18567	352.55139870982
9	BRM141	5.69953125	1 Litre	205.82567	1173.1098382172
Total: 44308.581956697					

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	Dismantling (AR1620) : Dismantling and removing 2.5 cm thick grading concrete from roof - Dismantling and removing 2.5 cm thick grading concrete from roof slab cleaning the surface lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	74.465	Sqm
2	Concrete (AR0318) : 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) - 4cm thick grading concrete (1:2:4) on roof slab with 12mm size hard granite chips (Crusher Broken) including hoisting and laying in position compacting and curing for the proper period with cost conveyance, royalty, taxes of all materials, labor and T&P required for the work etc. complete as per specification and direction of Engineer-in charge. (Old Work)	-	74.465	Sqm
i)	BRM340 : Cement	0.1287	9.5836455	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.34037	1 Cum
iii)	BRM064 : Granite stone broken chips of 4.7 mm size passing through 6.7 mm sieve (crusher broken.) and retained on 2.36 mm sieve.	0.018	1.34037	1 Cum.
iv)	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)	0.018	1.34037	1 Cum.

3	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.	-	60.894	Sqm
i)	BRM340 : Cement	0.0372	2.2652568	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.456705	1 Cum
4	Painting(AR0901d) :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner 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.	-	294.6105	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	24.747282	1 Ltr

5	Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside) - Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	294.6105	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	36.8263125	1 Litre
6	Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat with one coat waterbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	342.8205	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	42.8525625	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	30.964432258065	1 Ltr
7	Painting(AR0903b) :.Painting two coats of enamel paint with a coat of red oxide primer over iron surface - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	45.59625	Sqm
i)	BRM137 : Red oxide Primer	0.054	2.4621975	1 Litre
ii)	BRM141 : Enamel paint	0.125	5.69953125	1 Litre

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	1.797075	1 Cum	50.25	90.30301875
2	BRM064	1.34037	1 Cum.	293.5	393.398595
3	BRM056	1.34037	1 Cum.	293.5	393.398595
Total: 877.10020875					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000
2	Display Citizen Board @ Rs. 3314	Rs. 3314
Total Addition Component Amount (in Rs.): 5314		

Total Net Amount (in Rs.): 199999.63660672