

ESTIMATION DPR							
State	Odisha	District	Kendujhar	Block	Champua	Gram Panchayat	Karanjia

Work Code	OD/361/3445/119296/385481/00066700 (Repair & Maintenance of Raigodi Primary School)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Champua	Proposal Date	30-09-2024
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.	5955
Fund Sanction Amount (in Rs.)	150000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	Sqm	13.5	50.174193548387	677.35161290322

2	<p style="text-align: center;">R.C.C. Work (AR0404Ag) :</p> <p>First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)</p>	Cum	1.089	14099.997274521	15354.897031953
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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	0.87	9279.8855247	8073.500406489
4	<p>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.</p>	Sqm	13.5	173.7064412348	2345.0369566698

5	<p align="center">Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)</p>	Sqm	39.15	164.27276002702	6431.2785550578
6	<p align="center">Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound 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)</p>	Sqm	731.26	156.92879102001	114755.74772129
Total Amount (in Rs.): 147637.81228437					

LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<p>Dismantling (AR1613) : Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	13.5	Sqm

	i	Un-Skilled	0.10752688172043	1.4516129032258	-
2		R.C.C. Work (AR0404Ag) : First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	1.089	Cum
	i	Un-Skilled	1.533295	1.669758255	-
	ii	Skilled	3.7813	4.1178357	-
	iii	Semi-Skilled	3.732195	4.064360355	-

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>	-	0.87	Qntl
i	Un-Skilled	0.8	0.696	-
ii	Highly-Skilled	0.3	0.261	-
iii	Semi-Skilled	0.044	0.03828	-
4	<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>	-	13.5	Sqm
i	Un-Skilled	0.12	1.62	-

	ii	Skilled	0.14	1.89	-
5		Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	39.15	Sqm
	i	Highly-Skilled	0.13440860215054	5.2620967741935	-
	ii	Un-Skilled	0.11827956989247	4.6306451612903	-
6		Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound 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)	-	731.26	Sqm
	i	Un-Skilled	0.11776344086022	86.115693763441	-
	ii	Highly-Skilled	0.10776344086022	78.803093763441	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	96.183710082957	462	44436.874058326

2	Skilled	6.0078357	562	3376.4036634
3	Semi-Skilled	4.102640355	512	2100.55186176
4	Highly-Skilled	84.326190537634	612	51607.628609032
				Total: 101521.45819252

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1613) .:Removing old lime or cement plaster - Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	13.5	Sqm
2	R.C.C. Work (AR0404Ag) :.First Floor - 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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	1.089	Cum
i)	BRM340 : Cement	3.4733	3.7824237	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.49005	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	0.39204	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	0.58806	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	7.46592	8.13038688	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.06026064	0.06562383696	1Cum.
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.	-	0.87	Qntl
i)	BRM162 : Binding Wire.	0.8	0.696	1 Kg.
ii)	BRM341 : Steel	1.05	0.9135	1 Qntl.

4	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.	-	13.5	Sqm
i)	BRM340 : Cement	0.0358	0.4833	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2025	1 Cum
5	Painting(AR0903i) :.Painting two coats of enamel paint in outer surface paint (outer surface) - Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	39.15	Sqm
i)	BRM141 : Enamel paint	0.125	4.89375	1 Litre
6	Painting(AR0918ca) :.Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound 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)	-	731.26	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	91.4075	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	61.42584	1 Ltr

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	4.2657237	1 Qntl.	627.977	2678.7763719549
2	BRM028	0.69255	1 Cum	731.61	506.6765055
3	BRM060	0.39204	1 Cum.	2085.28	817.5131712
4	BRM052	0.58806	1 Cum.	2001.61	1177.0667766
5	BRM084	8.13038688	1Mtr	535.526	4354.0335642989
6	BRM104	0.06562383696	1Cum.	58858.446	3862.517064023
7	BRM162	0.696	1 Kg.	90.1	62.7096
8	BRM341	0.9135	1 Qntl.	6902.037	6305.0107995
9	BRM141	4.89375	1 Litre	205.94457	1007.8412394375
10	BRM255	91.4075	1 Ltr	195.39457	17860.529157275
11	BRM252	61.42584	1 Ltr	126.10457	7746.0791400888
Total: 46378.753389878					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	0.69255	1 Cum	50.25	34.8006375
2	BRM060	0.39204	1 Cum.	162.5	63.7065
3	BRM052	0.58806	1 Cum.	162.5	95.55975
Total: 194.0668875					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 385	Rs. 385
2	Provision for Contingency @ 1%	Rs. 1476.3781228437
3	Display Citizen Board @ Rs. 500	Rs. 500
Total Addition Component Amount (in Rs.): 2361.3781228437		

Total Net Amount (in Rs.): 149999.19040721