

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Gurundia	Gram Panchayat	Chandiposh

Work Code	OD/373/3577/121581/384668/00037739 (Repair And Maintenance Of Govt. Primary School Barghat)
Project Category	Building

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Gurundia	Proposal Date	-
Date of Commencement	24-03-2026	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	Sumanti Kullu		

Administrative Approval Details

Approval No.	OD/373/3577/121581/384668/00037739/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3577/121581/384668/00037739/TS
Fund Sanction No.	11045
Fund Sanction Amount (in Rs.)	500000

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Dismantling (AR1612) .:Dismantling and removing 2.5 cm. thick artificial stone flooring - Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	83.772957675	Sqm

2	<p>Dismantling (AR1616) ::Dismantling G.C.I. or A.C. sheet roofing - Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of the materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	170.4032771792	Sqm
3	<p>Dismantling (AR1618) ::Dismantling and removing doors, windows and ventilators - Dismantling and removing doors, windows and ventilators including removal of frame, hinges, fastening and stacking the same for reuse and removing the debris within 50m and as per direction of Engineer-in-Charge.</p>	-	21.20696781	Sqm
4	<p>Earth Work (AR0102aa) ::Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	11.420459255117	Cum
5	<p>Earth Work (AR0115) ::Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	2.7965426173344	Cum

i)	BRM029 : Sand for filling and road blinding	1	2.7965426173344	1 Cum
6	Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.	-	3.76952321304	Cum
i)	BRM340 : Cement	3.23	12.175559978119	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.696285445868	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	3.392570891736	1 Cum.
7	Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth 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.	-	6.2399962586534	Cum
i)	BRM340 : Cement	0.672	4.1932774858151	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.747198952423	1 Cum
iii)	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 \pm 2 %	350	2183.9986905287	1000 Nos
8	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 \pm 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.	-	6.8300971104	Cum
i)	BRM340 : Cement	0.672	4.5898252581888	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.912427190912	1 Cum
iii)	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 \pm 2 %	350	2390.53398864	1000 Nos

9	R.C.C. Work (AR0404Ag) :.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. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Roof slab, landing, balcony, sun shade)	-	0.8466703944576	Cum
i)	BRM340 : Cement	3.4733	2.9407402810696	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.38100167750592	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	0.30480134200474	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	0.4572020130071	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.064904905768725	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.042517416532556	1Cum.

10	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.	-	0.77	Qntl
i)	BRM341 : Steel	1.05	0.8085	1 Qntl.
11	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.	-	117.9589391	Sqm
i)	BRM340 : Cement	0.0358	4.22293001978	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.7693840865	1 Cum

12	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.	-	16.46891481	Sqm
i)	BRM340 : Cement	0.043	0.70816333683	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.29644046658	1 Cum
13	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.	-	392.634555355	Sqm
i)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.084	32.98130264982	1 Ltr
14	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)	-	178.442043705	Sqm

i)	BRM255 : Weather Coat (I.S.I.)	0.125	22.305255463125	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	14.98913167122	1 Ltr
15	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)	-	392.63	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	49.07875	1 Litre
16	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.	-	5.0512	Qntl
i)	BRM341 : Steel	1	5.0512	1 Qntl.
17	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.	-	8.918688	Sqm
i)	BRM137 : Red oxide Primer	0.054	0.481609152	1 Litre
ii)	BRM141 : Enamel paint	0.125	1.114836	1 Litre

18	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.	-	128.1808053519	Sqm
i)	BRM340 : Cement	0.0858	10.997913099193	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	1.5381696642228	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	2.9481585230937	1 Cum.
19	Roofing (AR1132i) :.Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm 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	-	169.5639914772	Sqm
i)	BRM150 : G.C.I. Sheet 0.40mm thick	1	169.5639914772	1 Sqm.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	2.7965426173344	1 Cum	134.25	375.43584637714
2	BRM028	9.3409074840117	1 Cum	177.25	1655.6758515411
3	BRM056	3.392570891736	1 Cum.	243.5	826.09101213772
4	BRM060	0.30480134200474	1 Cum.	243.5	74.219126778153
5	BRM052	0.4572020130071	1 Cum.	243.5	111.32869016723
6	BRM057	2.9481585230937	1 Cum.	243.5	717.87660037332

Total: 3760.6271273746