

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Kokasara	Gram Panchayat	Baradanga

Work Code	OD/358/3417/118770/424070/00065378 (Construction of Market Complex at Baradanga)
Project Category	Building

Financial Year	2021-22	Execution Level	PS
Executing Agency	Panchayat Samiti, Kokasara	Proposal Date	-
Date of Commencement	12-12-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Creation of Capital Asset for Revenue Generation
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant	Sourav Kumar Behera		

Administrative Approval Details

Approval No.	OD/358/3417/118770/424070/00065378/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3417/118770/424070/00065378/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	1000000

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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	-	34.7724	Cum

2	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.	-	40.7772	Cum
i)	BRM029 : Sand for filling and road blinding	1	40.7772	1 Cum
3	Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering 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.	-	8.70615	Cum
i)	BRM340 : Cement	2.29	19.9370835	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.178952	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.357904	1 Cum.

4	<p>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/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>	-	13.489875	Cum
i)	BRM340 : Cement	0.672	9.065196	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.777165	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 ± 2 %	350	4721.45625	1000 Nos
5	<p>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 ± 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>	-	21.538125	Cum
i)	BRM340 : Cement	0.672	14.47362	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	6.030675	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./Cm ² with dimensional tolerance \pm 2 %	350	7538.34375	1000 Nos
6	R.C.C. Work (AR0404Aa) :.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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	6.654	Cum
i)	BRM340 : Cement	3.4733	23.1113382	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.9943	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	2.39544	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	3.59316	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.02664927	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.006128334	1Mtr.
7	R.C.C. Work (AR0404Ab) :.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 Plinth band)	-	3.30875	Cum
i)	BRM340 : Cement	3.4733	11.492281375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.4889375	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	1.19115	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	1.786725	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.0441718125	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.0101578625	1Mtr.
8	R.C.C. Work (AR0404Ad) :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 Lintels)	-	2.490875	Cum
i)	BRM340 : Cement	3.4733	8.6515561375	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.12089375	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	0.896715	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	1.3450725	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.12340292925	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.1846572818125	1Cum.
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)	-	8.40185	Cum
i)	BRM340 : Cement	3.4733	29.182145605	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.7808325	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	3.024666	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	4.536999	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.64407741915	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.42191738182	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.	-	28.65	Qntl
i)	BRM341 : Steel	1.05	30.0825	1 Qntl.
11	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.	-	154.2975	Sqm
i)	BRM340 : Cement	0.043	6.6347925	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	2.777355	1 Cum
12	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.	-	98.655	Sqm
i)	BRM340 : Cement	0.0358	3.531849	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.479825	1 Cum
13	Painting(AR0901c) :.Priming one coat with inner surface primer of approved quality oil-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality oil-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.	-	199.74	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	16.77816	1 Ltr

14	Painting(AR0901ci) :.Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface) - Priming one coat with outer surface primer of approved quality oil-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.	-	98.655	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	8.28702	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)	-	199.74	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	24.9675	1 Litre
16	Painting(AR0918Ai) :.Finishing wall one coat with weather coat - Finishing wall one coat with weather coat including all costs of labour, Paint, Primer and Brushes required for the work etc. complete and as per direction of Engineer-in-charge.	-	98.655	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	7.399125	1 Ltr

17	Painting(AR0901b) :.Priming one coat in inner surface with primer of approved quality over iron work. - Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	29.7675	Sqm
i)	BRM137 : Red oxide Primer	0.054	1.607445	1 Litre
18	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)	-	29.7675	Sqm
i)	BRM141 : Enamel paint	0.125	3.7209375	1 Litre
19	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.	-	49.4304	Sqm
i)	BRM340 : Cement	0.0858	4.24112832	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.5931648	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	1.1368992	1 Cum.

20	R.C.C. Work (AR0404Ac) :.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 Beams, Column, Girder & Bressmer etc)	-	5.1695	Cum
i)	BRM340 : Cement	3.4733	17.95522435	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.326275	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	1.86102	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	2.79153	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.2343799605	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.2146841655	1Cum.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
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1	BRM029	40.7772	1 Cum	44	1794.1968
2	BRM028	30.54837555	1 Cum	44	1344.1285242
3	BRM044	8.357904	1 Cum.	158	1320.548832
4	BRM060	9.368991	1 Cum.	158	1480.300578
5	BRM052	14.0534865	1 Cum.	158	2220.450867
6	BRM057	1.1368992	1 Cum.	158	179.6300736
					Total: 8339.2556748