

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balasore	<b>Block</b>	Remuna	<b>Gram Panchayat</b>	Badapal

<b>Work Code</b>	OD/346/3307/116266/393025/00052211 (Development of Kakabarei Village Hata)
<b>Project Category</b>	Building

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Remuna	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	-
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Development of Rural Haat
<b>Project Sub-Category</b>	Market Complex	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	OD/346/3307/116266/393025/00052211/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/346/3307/116266/393025/00052211/TS
<b>Fund Sanction No.</b>	31804
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p><b>Pile Foundation(AR1501ca) :.Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M20 using 12mm size black hard granite (Crusher broken) stone chips -</b></p> <p>Single under reamed pile foundation 250 mm dia and 3.0 metre long with RCC M-20 using 12mm size black hard granite (Crusher broken) stone chips including cost of boring but excluding cost of M.S./Tor steel and labour charges for cutting, bending and binding of steel including cost, convenience, royalty,taxes of all materials, labour and T&amp;P required for the work etc. complete and as per direction of Engineer-in charge. (250mm dia and 3.0 meter long)</p>	-	54	Nos
i)	<b>BRM178</b> : Bentonite powder	0.588	31.752	1Qntl
ii)	<b>BRM342</b> : Tripod	0.235	12.69	Per day
iii)	<b>BRM340</b> : Cement	0.805	43.47	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.096	5.184	1 Cum
v)	<b>BRM056</b> : 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)	0.19	10.26	1 Cum.

2	<p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  Earth work in hard soil or gravelly soil foundation &amp; 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>	-	15.43124016	Cum
3	<p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	138.88989434112	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	138.88989434112	1 Cum
4	<p><b>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	11.435491908	Cum
i)	<p><b>BRM340 : Cement</b></p>	2.29	26.18727646932	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.48	5.48903611584	1 Cum

iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	10.97807223168	1 Cum.
5	<b>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 -</b> 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.	-	4	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	3.2	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	4.2	1 Qntl.
6	<b>R.C.C. Work (AR0404Ab) :.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b> 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)	-	<b>8.5229971483232</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	29.602925995271	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	3.8353487167454	1 Cum

iii)	<b>BRM060</b> : 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	3.0682789733964	1 Cum.
iv)	<b>BRM052</b> : 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	4.6024184600945	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.11378201193011	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.63	5.3694882034436	1Mtr.
7	<b>R.C.C. Work (AR0404Ac)</b> :.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)	-	<b>2.6335048752</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	9.1469524830322	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.18507719384	1 Cum

iii)	<b>BRM060</b> : 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	0.948061755072	1 Cum.
iv)	<b>BRM052</b> : 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	1.422092632608	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	4.4196	11.639038146434	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.10936682396218	1Cum.
8	<b>Roofing (AR1132)</b> ∴.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm 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	-	<b>121.888736</b>	Sqm
i)	<b>BRM149</b> : G.C.I. Sheet 0.30mm thick	1	121.888736	1 Sqm

9	<p><b>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - 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<sup>2</sup> with dimensional tolerance <math>\pm 8</math> percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	51.3433563152	Cum
i)	<b>BRM340</b> : Cement	0.672	34.502735443814	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	14.376139768256	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	17970.17471032	1000 Nos
10	<p><b>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</b></p>	-	152.6674999	Sqm
i)	<b>BRM340</b> : Cement	0.0358	5.46549649642	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	2.2900124985	1 Cum

11	<b>Earth Work (AR0122Bi)</b> :.Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	339.8016	Cum
i)	<b>BRMM402</b> : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading).	-0.6666	-226.51174656	1 Cum
ii)	<b>BRMM401</b> : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading	1	339.8016	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM178</b>	31.752	1Qntl	337.87	10728.04824
2	<b>BRM342</b>	12.69	Per day	450	5710.5
3	<b>BRM340</b>	148.37538688786	1 Qntl.	576.412	85525.353506804
4	<b>BRM028</b>	32.359614293181	1 Cum	561.21	18160.539137476
5	<b>BRM056</b>	10.26	1 Cum.	2359.73	24210.8298
6	<b>BRM029</b>	138.88989434112	1 Cum	556.27	77260.281525135
7	<b>BRM045</b>	10.97807223168	1 Cum.	1750.47	19216.786099389
8	<b>BRM162</b>	3.2	1 Kg.	90	288
9	<b>BRM341</b>	4.2	1 Qntl.	6384.952	26816.7984
10	<b>BRM060</b>	4.0163407284684	1 Cum.	2381.78	9566.0400202514
11	<b>BRM052</b>	6.0245110927025	1 Cum.	2345.4	14129.888316825
12	<b>BRM104</b>	0.2231488358923	1Cum.	58620.646	13081.128914154
13	<b>BRM092</b>	5.3694882034436	1Mtr.	276.666	1485.5548232939
14	<b>BRM084</b>	11.639038146434	1Mtr	297.726	3465.2442711852
15	<b>BRM149</b>	121.888736	1 Sqm	318.299032	38797.066680504
16	<b>BRM005</b>	17970.17471032	1000 Nos	6.47785	116408.09624725
17	<b>BRMM402</b>	-226.51174656	1 Cum	175.38	-39725.630111693
18	<b>BRMM401</b>	339.8016	1 Cum	276.01	93788.639616

