

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lathikata	Gram Panchayat	Mundajore

Work Code	OD/373/3583/121687/384624/00038408 (RENOVATION AND COMPLETION OF NEW LIVESTOCK AID CENTER AID CENTER AT MUNDAJORE)						
Project Category	Building						

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Lathikata	Proposal Date	-
Date of Commencement	10-10-2025	Date of Completion	-
Scheme Name	Asset Management Fishery and Animal Resources Development Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Livestock Aid Centre	Project Type	Renovation or Rejuvenation
Name of Executant	LOPAMUDRA		

Administrative Approval Details

Approval No.	OD/373/3583/121687/384624/00038408/AS
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Technical Sanction Details

Technical Sanction No.	OD/373/3583/121687/384624/00038408/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	350000

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	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.	-	4.4547	Cum
i)	BRM029 : Sand for filling and road blinding	1	4.4547	1 Cum

2	<p>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.</p>	-	2.6139	Cum
i)	BRM340 : Cement	2.29	5.985831	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.254672	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	2.509344	1 Cum.
3	<p>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with Flyash Bricks of size (23cm x 11cm 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>	-	6.738152	Cum
i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	2695.2608	1000 Nos

ii)	BRM340 : Cement	0.672	4.528038144	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.88668256	1 Cum
4	Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in superstructure 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.	-	5.95332	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	5.95332	1 Cum
ii)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	400	2381.328	1000 Nos
iii)	BRM340 : Cement	0.672	4.00063104	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.6669296	1 Cum

5	<p>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.)</p>	-	5.944638	Cum
i)	BRM340 : Cement	3.4733	20.6475111654	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.6750871	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	2.14006968	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	3.21010452	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.02380827519	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.189	1.123536582	1Mtr.

6	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.	-	5.1	Qntl
i)	BRM162 : Binding Wire.	0.8	4.08	1 Kg.
ii)	BRM341 : Steel	1.05	5.355	1 Qntl.
7	R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	7.78	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.0207726	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	0.98028	1Mtr.

8	R.C.C. Work (AR0410d) : Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. beams, column, girder and bressmer, etc. Data for 4.2sqm	-	14.8984	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	8.2295923809524	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.07732979047619	1Cum.
9	R.C.C. Work (AR0410a) : Centring & Shuttering for R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas - Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height	-	22.8237	Sqm
i)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	14.2014133333333	1Mtr
ii)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0050222222222222	0.114625693333333	1Cum.

10	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.	-	33.966	Sqm
i)	BRM340 : Cement	0.0358	1.2159828	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.50949	1 Cum
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.	-	31.77	Sqm
i)	BRM340 : Cement	0.043	1.36611	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.57186	1 Cum

12	<p>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Plain Ivory in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all materials, taxes, labour, T&P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	8.895	Sqm
i)	BRM174 : White Cement.	0.0076	0.067602	1Qntl
ii)	BRM340 : Cement	0.1074	0.955323	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.021	0.186795	1 Cum
iv)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	8.895	1 Sqm.

13	<p>Flooring (AR0817ba) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Plain (Ivory) in wall cladding/ glazed tiles on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.</p>	-	24.42	Sqm
i)	<p>BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)</p>	1	24.42	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	3.35775	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.3663	1 Cum
14	<p>Concrete (AR0317) :.2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips - 2.5 cm thick grading concrete (1:2:2) on roof slab with 6mm size hard granite chips including hoisting and laying in position compacting 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. (new work)</p>	-	123.5246	Sqm
i)	<p>BRM340 : Cement</p>	0.1208	14.92177168	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	2.08756574	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.	0.0169	2.08756574	1 Cum.
15	Painting(AR0901a) :.Priming one coat in inner surface with primer of approved quality over woodwork - Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.	-	102.33	Sqm
i)	BRM138 : Wood Primer	0.075	7.67475	1 Litre
16	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	-	21.83265	Cum
17	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.	-	33.966	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	2.54745	1 Ltr

18	Painting(AR0922) :.Finishing wall two coats with distemper of approved shades on new work (Inside) - Finishing wall two coats with distemper 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)	-	31.77	Sqm
i)	BRM142 : Distemper	0.25	7.9425	1 Kg.
19	Other Building Items. (AR1902) :.cement based wall putty (water based) - Finishing surface of walls with cement based wall putty (water based) of approved make and finished smooth and even surface to receive painting including cost of scaffolding staging charges with cost of all materials taxes,labour,T&P,etc. complete. and as per the direction of Engineer in Charge.	-	102.33	Sqm
i)	BRMMR0038 : Cement based putty	0.8	81.864	kg
20	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.	-	84.49	Sqm
i)	BRM340 : Cement	0.0372	3.143028	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.633675	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	4.4547	1 Cum	595.33	2652.016551
2	BRM340	60.1219768294	1 Qntl.	561.247	33743.27912957
3	BRM028	11.839057	1 Cum	600.27	7106.63074539
4	BRM044	2.509344	1 Cum.	1518.64	3810.79017216
5	BRM006	5076.5888	1000 Nos	5.83526	29623.215561088
6	BRMMR0025	5.95332	1 Cum	33	196.45956
7	BRM060	2.14006968	1 Cum.	1913.39	4094.7879250152
8	BRM052	3.21010452	1 Cum.	1905.68	6117.4319816736
9	BRM104	0.23653635899952	1Cum.	58620.646	13865.91416704
10	BRM092	2.103816582	1Mtr.	276.666	582.05451847561
11	BRM162	4.08	1 Kg.	90.1	367.608
12	BRM341	5.355	1 Qntl.	6629.707	35502.080985
13	BRM084	22.431005714286	1Mtr	297.726	6678.2936072914
14	BRM174	0.067602	1Qntl	2040.244	137.924574888
15	BRM131	33.315	1 Sqm.	663.8557225	22116.353395087
16	BRM064	2.08756574	1 Cum.	1373.59	2867.4594248066
17	BRM138	7.67475	1 Litre	155.48244	1193.28885639
18	BRM255	2.54745	1 Ltr	195.19244	497.242981278
19	BRM142	7.9425	1 Kg.	70.50244	559.9656297
20	BRMMR0038	81.864	kg	30	2455.92
Total:					174168.71776585