

ESTIMATION DPR							
State	Odisha	District	Deogarh	Block	Barkote	Gram Panchayat	Kalla

Work Code	OD/351/3346/117190/382898/00071793 (Development of Rural Haat at Kalla)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Barkote	Proposal Date	20-07-2024
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Development of Rural Haat
Project Sub-Category	Market Complex	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	29955
Fund Sanction Amount (in Rs.)	1000000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;">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>	Cum	73.6	240.77592	17721.107712
2	<p style="text-align: center;">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>	Cum	77.76	433.101332	33677.95957632

3	<p style="text-align: center;">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>	Cum	11.28	6020.01221736	67905.737811821
4	<p style="text-align: center;">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>	Cum	18.631125	5233.568151248	97507.26242192

5	<p>Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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	76.59	179.8683050272	13776.113482033
6	<p>Roofing (AR1132i) : Supplying, fitting & 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</p>	Sqm	144	537.32000851332	77374.081225918

7	<p style="text-align: center;">Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks</p> <p>- Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.</p>	Qntl	4.1	14686.794094252	60215.855786433
8	<p style="text-align: center;">Painting (AR0901ci) : Priming one coat with outer surface primer of approved quality oil-bound primer over plastering surfaces(Outer surface)</p> <p>- 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.</p>	Sqm	107.46	68.98780412951	7413.4294317571
9	<p style="text-align: center;">Painting (AR0918Ai) : Finishing wall one coat with weather coat</p> <p>- 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.</p>	Sqm	107.46	57.0910986525	6135.0094611977

10	<p style="text-align: center;">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.</p>	Sqm	75.2	368.9206504272	27742.832912125
11	<p style="text-align: center;">Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps 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 dados skirting and risers of steps 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>	Sqm	15.24	1530.220741511	23320.564100628

12	<p>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	Sqm	848	621.5043	527035.6464
13	<p>Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.</p>	Sqm	120	191.9	23028

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	73.6	Cum
i	Un-Skilled	0.516	37.9776	-
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.	-	77.76	Cum
i	Un-Skilled	0.1236	9.611136	-

3	<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>	-	11.28	Cum
i	Skilled	0.18	2.0304	-
ii	Un-Skilled	3.9	43.992	-
4	<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>	-	18.631125	Cum
i	Un-Skilled	2.96	55.14813	-

	ii	Skilled	1.05	19.56268125	-
	iii	Highly-Skilled	0.35	6.52089375	-
5		Plastering (AR1004i) : 12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	76.59	Sqm
	i	Un-Skilled	0.12	9.1908	-
	ii	Skilled	0.14	10.7226	-
6		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	-	144	Sqm
	i	Un-Skilled	0.21505376344086	30.967741935484	-

	ii	Highly-Skilled	0.16129032258065	23.225806451613	-
7		Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in- Charge.	-	4.1	Qntl
	i	Un-Skilled	4.9212598425197	20.177165354331	-
	ii	Semi-Skilled	1.9685039370079	8.0708661417323	-
	iii	Skilled	4.4291338582677	18.159448818898	-
8		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.	-	107.46	Sqm
	i	Highly-Skilled	0.053763440860215	5.7774193548387	-
	ii	Un-Skilled	0.053763440860215	5.7774193548387	-

9	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.	-	107.46	Sqm
i	Un-Skilled	0.043	4.62078	-
ii	Highly-Skilled	0.036	3.86856	-
10	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.	-	75.2	Sqm
i	Un-Skilled	0.36	27.072	-
ii	Highly-Skilled	0.13	9.776	-

11	<p>Flooring (AR0817aa) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps 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 dados skirting and risers of steps 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>	-	15.24	Sqm
i	Highly-Skilled	0.325	4.953	-
ii	Un-Skilled	0.325	4.953	-
iii	Semi-Skilled	0.76	11.5824	-

12	<p>miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	848	Sqm
13	<p>Roofing (AR1132a) : Labour for fixing G.C.I. Sheet in roof -</p> <p>Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.</p>	-	120	Sqm
i	Un-Skilled	0.21505376344086	25.806451612903	-
ii	Skilled	0.16129032258065	19.354838709677	-
SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	275.29422425756	462	127185.93160699

2	Skilled	69.829968778575	562	39244.442453559
3	Highly-Skilled	54.121679556452	612	33122.467888548
4	Semi-Skilled	19.653266141732	512	10062.472264567
				Total: 209615.31421367

MATERIAL STATEMENT

SI.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	-	73.6	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.	-	77.76	Cum
i)	BRM029 : Sand for filling and road blinding	1	77.76	1 Cum

3	<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>	-	11.28	Cum
i)	BRM340 : Cement	2.29	25.8312	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	5.4144	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	10.8288	1 Cum.
4	<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>	-	18.631125	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1	18.631125	1 Cum
ii)	BRM340 : Cement	0.672	12.520116	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.216715	1 Cum
iv)	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	6520.89375	1000 Nos
5	Plastering (AR1004i) :.12mm thick cement plaster (1:6) over Brick work in outside. - 12mm thick cement plaster (1:6) over Brick work in outside 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.	-	76.59	Sqm
i)	BRM340 : Cement	0.0358	2.741922	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.14885	1 Cum
6	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	-	144	Sqm
i)	BRM150 : G.C.I. Sheet 0.40mm thick	1	144	1 Sqm.

7	Iron Work(AR1703) :.Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	4.1	Qntl
i)	BRM341 : Steel	1	4.1	1 Qntl.
8	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.	-	107.46	Sqm
i)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	9.02664	1 Ltr
9	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.	-	107.46	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	8.0595	1 Ltr

10	<p>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.</p>	-	75.2	Sqm
i)	BRM340 : Cement	0.0858	6.45216	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	0.9024	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	1.7296	1 Cum.
11	<p>Flooring (AR0817aa) :.Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm plain (Ivory) in dados skirting and risers of steps 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 dados skirting and risers of steps 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>	-	15.24	Sqm

i)	BRM131 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Plain (Ivory)	1	15.24	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	15.24	1 Sqm
iii)	BRM340 : Cement	0.1375	2.0955	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2286	1 Cum
12	miscellaneous(ARM28 7) :.Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.	-	848	Sqm
i)	BRM029 : Sand for filling and road blinding	0.03	25.44	1 Cum

ii)	BRMM287 : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)	1	848	1 Sqm
13	Roofing (AR1132a) :.Labour for fixing G.C.I. Sheet in roof - Labour for fixing G.C.I. Sheet in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. excluding cost of fitting and as per direction of Engineer-in charge.	-	120	Sqm

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	103.2	1 Cum	331.46	34206.672
2	BRM340	49.640898	1 Qntl.	535.017	26558.724325266
3	BRM028	12.910965	1 Cum	534.81	6904.91319165
4	BRM044	10.8288	1 Cum.	1857.16	20110.814208
5	BRMMR0025	18.631125	1 Cum	33	614.827125
6	BRM005	6520.89375	1000 Nos	6.1539	40128.928048125
7	BRM150	144	1 Sqm.	333.9354923	48086.7108912
8	BRM341	4.1	1 Qntl.	7436.587	30490.0067
9	BRM252	9.02664	1 Ltr	125.74787	1135.0807532568
10	BRM255	8.0595	1 Ltr	195.03787	1571.907713265
11	BRM057	1.7296	1 Cum.	1947.1	3367.70416
12	BRM131	15.24	1 Sqm.	660.6811111	10068.780133164
13	BRMMR0027	15.24	1 Sqm	8.5	129.54
14	BRMM287	848	1 Sqm	608.4	515923.2
Total: 739297.80924893					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	103.2	1 Cum	40.25	4153.8

2	BRM028	12.910965	1 Cum	900.25	11623.09624125
3	BRM044	10.8288	1 Cum.	156.5	1694.7072
4	BRM057	1.7296	1 Cum.	156.5	270.6824
Total: 17742.28584125					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 10000	Rs. 10000
2	Display Citizen Board @ Rs. 2500	Rs. 2500
3	Any Other Lumpsum @ Rs. 4646	Rs. 4646
Total Addition Component Amount (in Rs.): 17146		

Total Net Amount (in Rs.): 999999.60032215