

ESTIMATION DPR							
State	Odisha	District	Nayagarh	Block	Bhapur	Gram Panchayat	Bijipur

Work Code	OD/367/3523/120594/406113/00071744 (Repair of Bijipur Market Complex)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Bhapur	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Maintenance of Capital Assets
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.	
Fund Sanction Amount (in Rs.)	200000

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	6.165	240.77592	1484.3835468
2	<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	3.288	5275.71033984	17346.535597394

3	<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	37.3625	1513.675315411	56554.693972043
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4	<p style="text-align: center;">Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.</p>	Sqm	5.475	871.588015411	4771.9443843752
5	<p style="text-align: center;">Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) - Finishing wall One Coat with plastic emulsion paint of approved shades on old 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)</p>	Sqm	201.275	61.2156861525	12321.187230344

6	<p>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.</p>	Cum	6.033	6745.71324808	40696.888025667
7	<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>	Sqm	52.745	345.5289776668	18224.925927035

8	<p>Dismantling (AR1621) : Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	Sqm	52.745	77.77	4101.97865
9	<p>Painting (AR0917gk) : Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	Sqm	87.81	128.09162947878	11247.725984532

10	<p style="text-align: center;">Painting (AR0903ik) : Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - 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)(For repair and maintenance).</p>	Sqm	34.8	166.19022181331	5783.4197191032
11	<p style="text-align: center;">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.</p>	Sqm	230.5	70.08544099121	16154.694148474

12	<p align="center">Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer 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.</p>	Sqm	122.305	70.08544099121	8571.7998604299
Total Amount (in Rs.): 197260.1770462					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
1	<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>	-	6.165	Cum
i	Un-Skilled	0.516	3.18114	-

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>	-	3.288	Cum
i	Skilled	0.18	0.59184	-
ii	Un-Skilled	3.9	12.8232	-
3	<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>	-	37.3625	Sqm

	i	Highly-Skilled	0.325	12.1428125	-
	ii	Un-Skilled	0.325	12.1428125	-
	iii	Semi-Skilled	0.76	28.3955	-
4		Flooring (AR0817b) : Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in- charge.	-	5.475	Sqm
	i	Un-Skilled	0.325	1.779375	-
	ii	Highly-Skilled	0.325	1.779375	-

5	<p>Painting (AR0919) : Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) - Finishing wall One Coat with plastic emulsion paint of approved shades on old 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)</p>	-	201.275	Sqm
i	Un-Skilled	0.043	8.654825	-
ii	Highly-Skilled	0.036	7.2459	-
6	<p>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 specifaion and direction of Engineer-in charge.</p>	-	6.033	Cum
i	Un-Skilled	4.6	27.7518	-
ii	Skilled	0.68	4.10244	-

7	<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 specification and direction of Engineer-in-charge. (new work)</p>	-	52.745	Sqm
	i Un-Skilled	0.36	18.9882	-
	ii Highly-Skilled	0.1	5.2745	-
8	<p>Dismantling (AR1621) : Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface, lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.</p>	-	52.745	Sqm
	i Un-Skilled	0.166666666666667	8.79083333333333	-

9	<p>Painting (AR0917gk) : Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).</p>	-	87.81	Sqm
i	Highly-Skilled	0.091558709677419	8.0397702967742	-
ii	Un-Skilled	0.098698709677419	8.6667336967742	-
10	<p>Painting (AR0903ik) : Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - 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)(For repair and maintenance).</p>	-	34.8	Sqm
i	Highly-Skilled	0.13709677419355	4.7709677419355	-

	ii	Un-Skilled	0.12064516129032	4.1984516129032	-
11		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.	-	230.5	Sqm
	i	Highly-Skilled	0.053763440860215	12.39247311828	-
	ii	Un-Skilled	0.053763440860215	12.39247311828	-
12		Painting (AR0901ai) : Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer 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.	-	122.305	Sqm
	i	Highly-Skilled	0.053763440860215	6.5755376344086	-
	ii	Un-Skilled	0.053763440860215	6.5755376344086	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
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1	Un-Skilled	125.9453818957	462	58186.766435813
2	Skilled	4.69428	562	2638.18536
3	Highly-Skilled	58.221336291398	612	35631.457810335
4	Semi-Skilled	28.3955	512	14538.496
				Total: 110994.90560615

MATERIAL 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	-	6.165	Cum
2	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.	-	3.288	Cum

i)	BRM340 : Cement	2.29	7.52952	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.57824	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.15648	1 Cum.
3	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.	-	37.3625	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	37.3625	1 Sqm.
ii)	BRMMR0027 : Wax Polish	1	37.3625	1 Sqm
iii)	BRM340 : Cement	0.1375	5.13734375	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.5604375	1 Cum

4	<p>Flooring (AR0817b) :.Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) - Fixing ceramic tiles (20cmx30cm / 20cmx20cm special plain/printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753) in wall cladding on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	5.475	Sqm
i)	<p>BRM129 : Tiles up to 20cmx30cm / 20cm x 20cm special plain /printed series ceramic wall tiles of premium grade having thickness 6.5mm to 6.7mm confirming to IS 13753</p>	1	5.475	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	0.7528125	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.082125	1 Cum
5	<p>Painting(AR0919) :.Finishing wall One Coat with plastic emulsion paint of approved shades on old work (Inside) - Finishing wall One Coat with plastic emulsion paint of approved shades on old 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)</p>	-	201.275	Sqm
i)	<p>BRM140 : Plastic Emulsion paint</p>	0.075	15.095625	1 Litre

6	<p>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 specifaion and direction of Engineer-in charge.</p>	-	6.033	Cum
i)	BRM340 : Cement	3.23	19.48659	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.71485	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	5.4297	1 Cum.
7	<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 specifaion and direction of Engineer-in charge. (new work)</p>	-	52.745	Sqm
i)	BRM340 : Cement	0.1208	6.371596	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	0.8913905	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	0.8913905	1 Cum.
8	Dismantling (AR1621) :.Removing old grading plaster from roof - Removing old grading plaster from roof slab, cleaning the surface,lowering and removing the debris within 50m lead and as per direction of Engineer-in-Charge.	-	52.745	Sqm
9	Painting(AR0917gk) :.Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work(Outside)(For repair and maintenance). - Finishing wall with one coat weather coat paint of approved shade including one coat of oil bound primer in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge(Outside)(For repair and maintenance).	-	87.81	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.075	6.58575	1 Ltr
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	7.37604	1 Ltr

10	Painting(AR0903ik) :.Painting two coats of enamel paint in outer surface paint (outer surface)(For repair and maintenance) . - 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)(For repair and maintenance).	-		34.8	Sqm
i)	BRM141 : Enamel paint	0.125		4.35	1 Litre
11	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.	-		230.5	Sqm
i)	BRM138 : Wood Primer	0.075		17.2875	1 Litre
12	Painting(AR0901ai) :.Priming one coat in outer surface with primer of approved quality over woodwork - Priming one coat in outer 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.	-		122.305	Sqm
i)	BRM138 : Wood Primer	0.075		9.172875	1 Litre

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM340	39.27786225	1 Qntl.	547.857	21518.651778698
2	BRM028	5.827043	1 Cum	430.15	2506.50254645

3	BRM044	3.15648	1 Cum.	1360.21	4293.4756608
4	BRM131	37.3625	1 Sqm.	652.7111111	24386.918888474
5	BRMMR0027	37.3625	1 Sqm	8.5	317.58125
6	BRM129	5.475	1 Sqm.	414.6011111	2269.9410832725
7	BRM140	15.095625	1 Litre	249.48787	3766.1753275688
8	BRM056	5.4297	1 Cum.	1763.77	9576.741969
9	BRM064	0.8913905	1 Cum.	1256.41	1119.951938105
10	BRM255	6.58575	1 Ltr	195.03787	1284.4706523525
11	BRM252	7.37604	1 Ltr	125.74787	927.5213190348
12	BRM141	4.35	1 Litre	199.22787	866.6412345
13	BRM138	26.460375	1 Litre	155.32787	4110.0336881513
Total: 76944.607336407					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM028	5.827043	1 Cum	305.25	1778.70487575
2	BRM044	3.15648	1 Cum.	199.5	629.71776
3	BRM056	5.4297	1 Cum.	199.5	1083.22515
4	BRM064	0.8913905	1 Cum.	199.5	177.83240475
Total: 3669.4801905					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 2000	Rs. 2000
2	Display Citizen Board @ Rs. 730	Rs. 730
Total Addition Component Amount (in Rs.): 2730		

Total Net Amount (in Rs.): 199990.1770462