

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Dhenkanal	<b>Block</b>	Kankada Had	<b>Gram Panchayat</b>	Maruabili

<b>Work Code</b>	OD/352/3354/117383/402471/00019049 (Provision Of Facility Centre At Maruabili GP Hqrs)
<b>Project Category</b>	Building

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Kankada Had	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	16-12-2025	<b>Date of Completion</b>	17-01-2026
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Provision of Facilities at GP Head Quarter
<b>Project Sub-Category</b>	GP Facility Centre	<b>Project Type</b>	New Work
<b>Name of Executant</b>	Sushanta Kumar Garanayak		

### Administrative Approval Details

<b>Approval No.</b>	OD/352/3354/117383/402471/00019049/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/352/3354/117383/402471/00019049/TS
<b>Fund Sanction No.</b>	11938
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift - 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</b>	-	<b>32.586</b>	Cum

2	<b>Earth Work (AR0115)</b> :.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.	-	26.14775	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	26.14775	1 Cum
3	<b>Concrete (AR0303)</b> :.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.	-	7.7565	Cum
i)	<b>BRM340</b> : Cement	2.29	17.762385	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	3.72312	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	7.44624	1 Cum.

4	<b>R.C.C. Work (AR0404A) :First floor</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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	<b>22.17967</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	77.036647811	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	9.9808515	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	7.9846812	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	11.9770218	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.	-	19.692	Qntl
i)	<b>BRM162</b> : Binding Wire.	0.8	15.7536	1 Kg.
ii)	<b>BRM341</b> : Steel	1.05	20.6766	1 Qntl.
6	<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 $\pm 8$ 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.	-	12.750375	Cum
i)	<b>BRM340</b> : Cement	0.672	8.568252	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	3.570105	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	4462.63125	1000 Nos

7	<p><b>Masonry Brick Work (AR0603bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure -</b> 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/cm<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	20.59875	Cum
i)	<p><b>BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK</b></p>	1	20.59875	1 Cum
ii)	<p><b>BRM340 : Cement</b></p>	0.672	13.84236	1 Qntl.
iii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.28	5.76765	1 Cum
iv)	<p><b>BRM005 : 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 ± 2 %</b></p>	350	7209.5625	1000 Nos
8	<p><b>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc -</b> 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</p>	-	30.726	Sqm

i)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.08203842	1Cum.
ii)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.126	3.871476	1Mtr.
9	<b>Plastering (AR1004)</b> :.First Floor - 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.	-	<b>61.3515</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	2.1963837	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.9202725	1 Cum
10	<b>Plastering (AR1014)</b> :.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.	-	<b>174.835</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	7.517905	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	3.14703	1 Cum

11	<b>Iron Work(AR1702)</b> :.Iron work wrought and put up in window grating including drilling holes in choukathas - Iron work wrought and put up in window grating including drilling holes in choukathas including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	<b>1.9100718</b>	Qntl
i)	<b>BRM341 : Steel</b>	1	1.9100718	1 Qntl.
12	<b>Painting(AR0901d)</b> :.Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface) - Priming one coat with inner surface primer of approved quality water-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.	-	<b>299.035</b>	Sqm
i)	<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.084	25.11894	1 Ltr
13	<b>miscellaneous(ARM120)</b> :.Wall painting with any approved paint 1 coat (Labour only) (Painting) and as directed by Engineer-in-Charge. - Wall painting with any approved paint 1 coat (Labour only) (Painting) and as directed by Engineer-in-Charge.	-	<b>21.5775</b>	Sqm
i)	<b>BRMM120 : Wall painting with any approved paint 1 coat (Labour only) (Painting)</b>	1	21.5775	Sqm

14	<b>Painting(AR0918ca)</b> :.Finishing wall two coats with weather coat with one coat oilbound Primer - Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)	-	<b>61.8975</b>	Sqm
i)	<b>BRM255</b> : Weather Coat (I.S.I.)	0.125	7.7371875	1 Ltr
ii)	<b>BRM252</b> : Wall cement primer (I.S.I.) Oil bound	0.084	5.19939	1 Ltr
15	<b>Painting(AR0922)</b> :.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)	-	<b>237.0775</b>	Sqm
i)	<b>BRM142</b> : Distemper	0.25	59.269375	1 Kg.
16	<b>Painting(AR0905)</b> :.Painting two coats of enamel on old wood work in inner surface paint - Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	<b>22.365</b>	Sqm
i)	<b>BRM141</b> : Enamel paint	0.125	2.795625	1 Litre

17	<p><b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b>  Supplying, fitting &amp; 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&amp;P , etc. required for the work all complete as per direction of Engineer-in-charge(for new work only)</p>	-	40.065	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.304494	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	4.302981	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.841365	1 Cum
iv)	<b>BRM131</b> : 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	40.065	1 Sqm.

18	<p><b>Flooring (AR0816)</b>  <b>:.Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor -</b> Fixing ceramic Tiles (30cmx30cm / 40cmx40cm special plain/printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755) in floor , treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (1cement: 1sand) jointed with neat cement slurry mixed with pigment to match the shades of the ceramic tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge.</p>	-	10.8	Sqm
i)	<b>BRMMR0027</b> : Wax Polish	1	10.8	1 Sqm
ii)	<b>BRM130</b> : Tiles up to 30cm x 30cm / 40cm x 40cm special plain / printed series ceramic floor tiles of premium grade having thickness 7mm to 8mm confirming to IS 13755	1	10.8	1 Sqm.
iii)	<b>BRM340</b> : Cement	0.2737	2.95596	1 Qntl.
iv)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.1404	1 Cum

19	<p><b>Flooring (AR0817b)</b>  <b>:.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.</b></p>	-	<b>62.3725</b>	Sqm
i)	<p><b>BRM129</b> : 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	62.3725	1 Sqm.
ii)	<p><b>BRM340</b> : Cement</p>	0.1375	8.57621875	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.015	0.9355875	1 Cum

20	<p><b>Other Building Items. (AR1907) :.aluminum sliding window (sliding type) -</b>  Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&amp;P etc. complete as per direction of Engineer-incharge.</p>	-	3.45	Sqm
i)	<b>BRMMR0005</b> : Handel with lock	1.3422818791946	4.6308724832215	Each
ii)	<b>BRM271</b> : Black glass (I.S.I.) 5mm	1.1006711409396	3.7973154362416	Sqm
iii)	<b>BRMMR0008</b> : Hire charges of drills machine	0.67114093959732	2.3154362416107	Day
iv)	<b>BRMMR0013</b> : Al. wheel runner	5.3691275167785	18.523489932886	Each
v)	<b>BRMMR0012</b> : Window pile	5.0335570469799	17.365771812081	Mtr
vi)	<b>BRMMR0011</b> : U rubber beading	6.5436241610738	22.575503355705	Mtr
vii)	<b>BRMMR0010</b> : Al. Screws of different sizes	0.67114093959732	2.3154362416107	L.S.
viii)	<b>BRMMR0009</b> : PVC Plug	5.3691275167785	18.523489932886	Each
ix)	<b>BRM304</b> : Aluminium extruded section	5.1330201342282	17.708919463087	kg

21	<p><b>Other Building Items. (AR1909) :.Al. door with OEL anodized Al. door section of 9202 as vertical member -</b>  Providing fitting, fixing of Al. door with OEL anodized Al. door section of 9202 as vertical member, 9201 as top member and 9200 as bottom and middle member and 12mm thick pre-laminated board fixed on door frame by means of tapered clip No. 4660 and the frame to be completed by means of jointing angle No.1855 including all cost of labour,T&amp;P , hire charges of drilling machine, labour charges etc. complete. and as per direction of Engineer in Charge</p>	-	3.15	Sqm
i)	<p><b>BRM281 :</b>  Prelaminated particle board (standard type) (I.S.I.) 12mm</p>	1.1018518518519	3.47083333333333	Sqm
ii)	<p><b>BRMMR0008 :</b> Hire charges of drills machine</p>	0.694444444444444	2.1875	Day
iii)	<p><b>BRMMR0018 :</b> 6-Level mortice lock</p>	0.46296296296296	1.45833333333333	Each
iv)	<p><b>BRMMR0017 :</b> Handle</p>	0.92592592592593	2.91666666666667	Each
v)	<p><b>BRMMR0016 :</b> Door Stopper</p>	0.46296296296296	1.45833333333333	Each
vi)	<p><b>BRMMR0011 :</b> U rubber beading</p>	8.4675925925926	26.6729166666667	Mtr
vii)	<p><b>BRMMR0015 :</b> 4 Anodised Al. Hinges</p>	1.8518518518519	5.83333333333333	Each
viii)	<p><b>BRM304 :</b> Aluminium extruded section</p>	11.8218055555556	37.2386875	kg

22	<b>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 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. beams, column, grider and bressmer, etc. Data for 4.2sqm</b>	-	55.22	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.55238095238095	30.502476190476	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0051904761904762	0.2866180952381	1Cum.
23	<b>R.C.C. Work (AR0410e) :Rigid and smooth centering and shuttering for R.C.C. works including false works and dismantling them after casting - 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. Lintels Data for 7.8 sqm</b>	-	6.99	Sqm
i)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.26923076923077	1.8819230769231	1Mtr.
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0052948717948718	0.037011153846154	1Cum.

24	<b>R.C.C. Work (AR0410a) :-Centring &amp; Shuttering for R.C.C. floor and roof slabs, landings,balconies, projecting sun shades and chajjas - 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. floor and roof slabs, landings, balconies, projecting sun shades and chajjas up to 4.3m height</b>	-	<b>56.2575</b>	Sqm
i)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.622222222222222	35.0046666666667	1Mtr
ii)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.005022222222222	0.282537666666667	1Cum.

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	26.14775	1 Cum	868.75	22715.8578125
2	<b>BRM340</b>	142.759093261	1 Qntl.	565.692	80757.676985002
3	<b>BRM028</b>	29.0263815	1 Cum	938.79	27249.676688385
4	<b>BRM044</b>	7.44624	1 Cum.	2087.16	15541.4942784
5	<b>BRM060</b>	7.9846812	1 Cum.	2493.91	19913.076291492
6	<b>BRM052</b>	11.9770218	1 Cum.	2474.2	29633.54733756
7	<b>BRM162</b>	15.7536	1 Kg.	90.1	1419.39936
8	<b>BRM341</b>	22.5866718	1 Qntl.	6193.632	139893.53323398
9	<b>BRM005</b>	11672.19375	1000 Nos	6.43005	75052.789422188
10	<b>BRMMR0025</b>	20.59875	1 Cum	33	679.75875
11	<b>BRM104</b>	0.68820533575092	1Cum.	58573.086	40310.310316597
12	<b>BRM092</b>	3.871476	1Mtr.	229.106	886.978380456
13	<b>BRM253</b>	25.11894	1 Ltr	159.45622	4005.3712228068
14	<b>BRMM120</b>	21.5775	Sqm	5.75	124.070625
15	<b>BRM255</b>	7.7371875	1 Ltr	195.21622	1510.4244971812
16	<b>BRM252</b>	5.19939	1 Ltr	125.92622	654.7395290058
17	<b>BRM142</b>	59.269375	1 Kg.	70.52622	4180.0449805125
18	<b>BRM141</b>	2.795625	1 Litre	205.76622	575.2451887875

19	<b>BRM174</b>	0.304494	1Qntl	2059.802	627.197350188
20	<b>BRM131</b>	40.065	1 Sqm.	665.5902781	26666.874492077
21	<b>BRMMR0027</b>	10.8	1 Sqm	8.5	91.8
22	<b>BRM130</b>	10.8	1 Sqm.	454.5102781	4908.71100348
23	<b>BRM129</b>	62.3725	1 Sqm.	419.7102781	26178.379320792
24	<b>BRMMR0005</b>	4.6308724832215	Each	40	185.23489932886
25	<b>BRM271</b>	3.7973154362416	Sqm	705.01	2677.1453557047
26	<b>BRMMR0008</b>	4.5029362416107	Day	100	450.29362416107
27	<b>BRMMR0013</b>	18.523489932886	Each	25	463.08724832215
28	<b>BRMMR0012</b>	17.365771812081	Mtr	10	173.65771812081
29	<b>BRMMR0011</b>	49.248420022371	Mtr	15	738.72630033557
30	<b>BRMMR0010</b>	2.3154362416107	L.S.	30	69.463087248322
31	<b>BRMMR0009</b>	18.523489932886	Each	1.5	27.785234899329
32	<b>BRM304</b>	54.947606963087	kg	297.97	16372.738446791
33	<b>BRM281</b>	3.47083333333333	Sqm	710.82	2467.13775
34	<b>BRMMR0018</b>	1.45833333333333	Each	600	875
35	<b>BRMMR0017</b>	2.91666666666667	Each	62.5	182.29166666667
36	<b>BRMMR0016</b>	1.45833333333333	Each	25	36.458333333333
37	<b>BRMMR0015</b>	5.83333333333333	Each	39	227.5
38	<b>BRM084</b>	65.507142857143	1Mtr	250.166	16387.6599
39	<b>BRM094</b>	1.8819230769231	1Mtr.	240.106	451.86102230769
<b>Total: 565362.99765361</b>					