

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Jagatsinghpur	<b>Block</b>	Balikuda	<b>Gram Panchayat</b>	Alavar

<b>Work Code</b>	OD/355/3386/118043/398308/00058703 (Provision of Facilities center at Alavar G.P Headquarter)
<b>Project Category</b>	Building

<b>Financial Year</b>	2025-26	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Balikuda	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	26-02-2026	<b>Date of Completion</b>	-
<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>	SARADA PRASANNA SWAIN		

### Administrative Approval Details

<b>Approval No.</b>	OD/355/3386/118043/398308/00058703/AS
---------------------	---------------------------------------

### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/355/3386/118043/398308/00058703/TS
<b>Fund Sanction No.</b>	35908
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<b>Earth Work (AR0101aa)</b> ∴.Earthwork in ordinary soil in foundation and plinth within 50m, initial lead and 1.5m, initial lift - Earthwork in ordinary soil in foundation and 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 direction of the Engineer-in-charge per 100 cum	-	29.98561875	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.	-	<b>26.13059275</b>	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	26.13059275	1 Cum
3	<b>Concrete (AR0304)</b> :.Cement concrete (1:4:8) with 4 cm. hard granite(Crusher Broken) metal - Cement concrete (1:4:8) 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.	-	<b>9.26832075</b>	Cum
i)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	8.89758792	1 Cum.
ii)	<b>BRM340</b> : Cement	1.72	15.94151169	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	4.44879396	1 Cum

4	<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>	-	10.191669095	Cum
i)	<b>BRM340</b> : Cement	0.672	6.84880163184	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	2.8536673466	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	3567.08418325	1000 Nos
5	<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 <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>	-	13.0706231142	Cum
i)	<b>BRM340</b> : Cement	0.672	8.7834587327424	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	3.659774471976	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	4574.71808997	1000 Nos
6	<b>R.C.C. Work (AR0404Aa)</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 foundation, footing bases of column, mass concrete, pre-cast slabs etc.)	-	<b>3.396</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	11.7953268	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.5282	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	1.22256	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	1.83384	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.01360098	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.003127716	1Mtr.
7	<b>R.C.C. Work (AR0404Ab)</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 Plinth band)	-	<b>2.0486260196</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	7.1154927538767	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.92188170882	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	0.737505367056	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	1.106258050584	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.02734915736166	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.006289281880172	1Mtr.
8	<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>5.6141189646</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	19.499519399745	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.52635353407	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	2.021082827256	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	3.031624240884	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.254538539736	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.23314874648087	1Cum.
9	<b>R.C.C. Work (AR0404Ad)</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 Lintels)	-	<b>1.04620006</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	3.633766668398	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.470790027	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	0.3766320216	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	0.5649480324	1 Cum.
v)	<b>BRM094</b> : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.05183084337252	1Mtr.
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.07755847214801	1Cum.
10	<b>R.C.C. Work (AR0404Ag)</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 Roof slab, landing, balcony, sun shade)	-	<b>5.6838922184</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	19.741862842169	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	2.55775149828	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	2.046201198624	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	3.069301797936	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.43572149357033	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.28542915230984	1Cum.
11	<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.	-	26	Qntl
i)	<b>BRM341</b> : Steel	1.05	27.3	1 Qntl.
12	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside -</b> 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.	-	95.68630325	Sqm
i)	<b>BRM340</b> : Cement	0.0358	3.42556965635	1 Qntl.

ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	1.43529454875	1 Cum
13	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 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>46.5429</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	2.0013447	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.8377722	1 Cum
14	<b>Other Building Items. (AR1901B) :.Vitrified Tile 600mmx600mm Plain Ivory -</b> 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)	-	<b>37.81468488</b>	Sqm
i)	<b>BRM174</b> : White Cement.	0.0076	0.287391605088	1Qntl
ii)	<b>BRM340</b> : Cement	0.1074	4.061297156112	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.79410838248	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	37.81468488	1 Sqm.
15	<b>Flooring (AR0817aa)</b> :.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.	-	<b>31.469875</b>	Sqm
i)	<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	31.469875	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	4.3271078125	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.472048125	1 Cum

16	<b>Iron Work(AR1704)</b> :.Iron Doors and windows fixing - Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.	-	1.92	Qntl
i)	<b>BRM341 : Steel</b>	1	1.92	1 Qntl.
17	<b>Painting(AR0922b)</b> :.Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer on new work (Inside) - Finishing wall surface with two coats with distemper of approved shades above one coat waterbound Primer for new work to give an even shade including all costs of labor, Paint, Primer, Brushes and putty required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)	-	104.337848	Sqm
i)	<b>BRM142 : Distemper</b>	0.25	26.084462	1 Kg.
ii)	<b>BRM253 : Wall cement primer (I.S.I.) Water bound</b>	0.084	8.764379232	1 Ltr
18	<b>Painting(AR0918ib)</b> :.Finishing wall two coats with waterproofing cement paint with one coat waterbound Primer - Finishing wall two coats with waterproofing cement paint with one coat waterbound 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)	-	95.68630325	Sqm
i)	<b>BRM143 : Cement paint</b>	0.25	23.9215758125	1 Kg.

ii)	<b>BRM253</b> : Wall cement primer (I.S.I.) Water bound	0.090322580645161	8.6426338419355	1 Ltr
19	<b>Painting(AR0903a)</b> :.Painting two coats of enamel paint with a coat of wood primer in inner surface paint (Inside) - Painting two coats of enamel paint with a coat of wood primer in inner surface paint including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)	-	<b>9.29</b>	Sqm
i)	<b>BRM141</b> : Enamel paint	0.125	1.16125	1 Litre
ii)	<b>BRM138</b> : Wood Primer	0.075	0.69675	1 Litre
20	<b>Plastering (AR1027)</b> :.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.	-	<b>57.794948</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0372	2.1499720656	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.0075	0.43346211	1 Cum

21	<p><b>Other Building Items. (AR1902) :.cement based wall putty (water based) -</b>          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&amp;P,etc. complete. and as per the direction of Engineer in Charge.</p>	-	104.337848	Sqm
22	<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>	-	6.6888	Sqm
23	<p><b>Other Building Items. (AR1903) :.False ceiling -</b> Providing fitting and fixing of false ceiling with Aluminium anodised T Section No.3215 with 2'-0" center to center, L section No.1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C.plug and the Aluminium grid 2'-0"x2'-0"with 12mm thick Prelaminated Novapan board suspended from ceiling etc. complete and as per direction of engineer in charge.</p>	-	37.50625688	Sqm

24	<p><b>Other Building Items. (AR1910) :.Al. door with 6mm glass in top portion and 12mm thick pre-laminated board in bottom -</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 6mm Black glass in top portion with 12mm thick pre-laminated board in bottom portion 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>	-	2.6012	Sqm
25	<p><b>Flooring (AR0816) :.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>	-	4.11294312	Sqm

i)	<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	4.11294312	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.2737	1.125712531944	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.05346826056	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	26.13059275	1 Cum	77.25	2018.5882899375
2	<b>BRM044</b>	8.89758792	1 Cum.	444.5	3954.97783044
3	<b>BRM028</b>	22.993366173536	1 Cum	77.25	1776.2375369057
4	<b>BRM060</b>	6.403981414536	1 Cum.	444.5	2846.5697387613
5	<b>BRM052</b>	9.605972121804	1 Cum.	444.5	4269.8546081419
<b>Total: 14866.228004186</b>					