

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Balangir	<b>Block</b>	Saintala	<b>Gram Panchayat</b>	Talbahal

<b>Work Code</b>	OD/345/3295/275214/421056/00064562 (CONSTRUCTION OF MANDAP NEAR JADENBUDHI SALEDAMAK)
<b>Project Category</b>	Religious Structures

<b>Financial Year</b>	2023-24	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Saintala	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	24-11-2025	<b>Date of Completion</b>	08-01-2026
<b>Scheme Name</b>	Chief Minister Special Assistant	<b>Scheme Component Name</b>	Chief Minister Special Assistance (CM-SA)
<b>Project Sub-Category</b>	Religious Structures	<b>Project Type</b>	New Work
<b>Name of Executant</b>	Sumit Tirkey		

### Administrative Approval Details

<b>Approval No.</b>	OD/345/3295/275214/421056/00064562/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/345/3295/275214/421056/00064562/TS
<b>Fund Sanction No.</b>	
<b>Fund Sanction Amount (in Rs.)</b>	400000

### ROYALTY 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>17.7829504</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.	-	13.662289664	Cum
i)	<b>BRM029</b> : Sand for filling and road blinding	1	13.662289664	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.	-	13.555818496	Cum
i)	<b>BRM340</b> : Cement	2.29	31.04282435584	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	6.50679287808	1 Cum
iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	13.01358575616	1 Cum.

4	<b>Plastering (AR1004)</b> <b>::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.	-	<b>26.46527761</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0358	0.947456938438	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.39697916415	1 Cum
5	<b>Plastering (AR1014)</b> <b>::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>35.41926875</b>	Sqm
i)	<b>BRM340</b> : Cement	0.043	1.52302855625	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.018	0.6375468375	1 Cum

6	<b>Plastering (AR1017)</b> :.20mm thick cement Plaster in CM (1:4) over masonry work in inside. - 20mm thick cement Plaster in CM (1:4) over stone 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.	-	17.001249	Sqm
i)	<b>BRM340</b> : Cement	0.0744	1.2648929256	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.021	0.357026229	1 Cum
7	<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.	-	1.153390745	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	1.153390745	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.1375	0.1585912274375	1 Qntl.

iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.015	0.017300861175	1 Cum
8	<b>Flooring (AR0816)</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 - 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.	-	<b>13.915475855</b>	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	13.915475855	1 Sqm.
ii)	<b>BRM340</b> : Cement	0.2737	3.8086657415135	1 Qntl.
iii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.013	0.180901186115	1 Cum
9	<b>Painting(AR0901a)</b> :.Priming one coat in inner surface with primer of approved quality over <b>woodwork</b> - 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.	-	<b>71.09</b>	Sqm

i)	<b>BRM138</b> : Wood Primer	0.075	5.33175	1 Litre
10	<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>2.256282624</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	7.8367464379392	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	1.0153271808	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	0.81226174464	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	1.21839261696	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.00903641190912	1Cum.

vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.002078036296704	1Mtr.
11	<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>0.96056532128</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	3.3363315304018	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.432254394576	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	0.3458035156608	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	0.5187052734912	1 Cum.
v)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.012823547039088	1Cum.
vi)	<b>BRM092</b> : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.0029489355363296	1Mtr.

12	<p><b>R.C.C. Work (AR0404Ac)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder &amp; Bressmer etc)</p>	-	<b>1.515727512</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	5.2645763674296	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.6820773804	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	0.54566190432	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	0.81849285648	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.068721569666568	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.062946647845848	1Cum.

13	<p><b>R.C.C. Work (AR0404Ag)</b>  <b>:.Reinforced cement concrete work of M-20 grade with 20mm &amp; down grade size black hard crusher broken granite chips -</b>  Reinforced cement concrete work of M-20 grade with 20mm &amp; 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&amp;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)</p>	-	<b>1.7882289415584</b>	Cum
i)	<b>BRM340</b> : Cement	3.4733	6.2110555827148	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	0.80470302370128	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	0.64376241896102	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	0.96564362844154	1 Cum.
v)	<b>BRM084</b> : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.13708384243093	1Mtr
vi)	<b>BRM104</b> : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.089799850404026	1Cum.

14	<p><b>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - 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/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>	-	8.979752824	Cum
i)	<p><b>BRM006</b> : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance <math>\pm 2</math> %</p>	400	3591.9011296	1000 Nos
ii)	<p><b>BRM340</b> : Cement</p>	0.672	6.034393897728	1 Qntl.
iii)	<p><b>BRM028</b> : Screened and washed sharp sand for mortar</p>	0.28	2.51433079072	1 Cum
15	<p><b>Painting(AR0920) :.Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)</b>  - Finishing wall two coats with plastic emulsion paint 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)</p>	-	35.42	Sqm
i)	<p><b>BRM140</b> : Plastic Emulsion paint</p>	0.125	4.4275	1 Litre

16	<p><b>Other Building Items. (AR1911) :.Stainless steel of 304 grade in hand railing using 50mm dia of 2mm -</b>  Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-	<b>13.414247570744</b>	Rmt
17	<p><b>Masonry Brick Work (AR0603ci) :.First floor -</b> 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<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>	-	<b>6.049955112</b>	Cum
i)	<p><b>BRM006 :</b> Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm<sup>2</sup> with dimensional tolerance <math>\pm 2</math> %</p>	400	2419.9820448	1000 Nos
ii)	<p><b>BRM340 :</b> Cement</p>	0.672	4.065569835264	1 Qntl.
iii)	<p><b>BRM028 :</b> Screened and washed sharp sand for mortar</p>	0.28	1.69398743136	1 Cum

18	<b>R.C.C. Work (AR0409) :.First floor -</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.	-	9.5	Qntl
i)	<b>BRM341 : Steel</b>	1.05	9.975	1 Qntl.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	13.662289664	1 Cum	44.25	604.556317632
2	<b>BRM028</b>	15.239227357577	1 Cum	44.25	674.33581057279
3	<b>BRM044</b>	13.01358575616	1 Cum.	165.32	2151.4059972084
4	<b>BRM060</b>	2.3474895835818	1 Cum.	165.32	388.08697795775
5	<b>BRM052</b>	3.5212343753727	1 Cum.	165.32	582.13046693662
<b>Total: 4400.5155703075</b>					