

ESTIMATION DPR							
State	Odisha	District	Bargarh	Block	Attabira	Gram Panchayat	Janged

Work Code	OD/347/3311/116351/380867/00017384 (Repair and renovation of Ram mandir at Bhalupatra,Janged)
Project Category	Religious Structures

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Attabira	Proposal Date	03-04-2025
Date of Commencement	20-05-2025	Date of Completion	24-07-2025
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Special Problem Fund (SPF) 16 th Phase
Project Sub-Category	Religious Structures	Project Type	Renovation or Rejuvenation
Name of Executant	Peskar Dharua		

Administrative Approval Details

Approval No.	OD/347/3311/116351/380867/00017384/AS
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Technical Sanction Details

Technical Sanction No.	OD/347/3311/116351/380867/00017384/TS
Fund Sanction No.	1534
Fund Sanction Amount (in Rs.)	1000000

ROYALTY 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	-	58.4317168	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.	-	149.1987981136	Cum
i)	BRM029 : Sand for filling and road blinding	1	149.1987981136	1 Cum
3	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.	-	29.209238781664	Cum
i)	BRM340 : Cement	2.29	66.889156810011	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	14.020434615199	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	28.040869230397	1 Cum.

4	<p>Masonry Brick Work (AR0603c) :.Flyash Bricks of size (23cm x 11cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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/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>	-	16.2361452	Cum
i)	<p>BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance ± 2 %</p>	400	6494.45808	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	10.9106895744	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	4.546120656	1 Cum
5	<p>Masonry Brick Work (AR0603ci) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - 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/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>	-	21.129951915	Cum

i)	BRM006 : Fly ash bricks of 23 Cm. x 11 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance \pm 2 %	400	8451.980766	1000 Nos
ii)	BRM340 : Cement	0.672	14.19932768688	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	5.9163865362	1 Cum
6	R.C.C. Work (AR0404Aa) :.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.)	-	4.8563312	Cum
i)	BRM340 : Cement	3.4733	16.86749515696	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.18534904	1 Cum
iii)	BRM060 : 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	1.748279232	1 Cum.

iv)	BRM052 : 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	2.622418848	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.019449606456	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.0044726810352	1Mtr.
7	R.C.C. Work (AR0404Ab) :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)	-	6.6958188448	Cum
i)	BRM340 : Cement	3.4733	23.256587593644	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.01311848016	1 Cum
iii)	BRM060 : 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	2.410494784128	1 Cum.

iv)	BRM052 : 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	3.615742176192	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.08938918157808	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.020556163853536	1Mtr.
8	R.C.C. Work (AR0404Ac) :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)	-	4.7141570112019	Cum
i)	BRM340 : Cement	3.4733	16.373681547008	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	2.1213706550409	1 Cum
iii)	BRM060 : 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	1.6970965240327	1 Cum.

iv)	BRM052 : 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	2.545644786049	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.21373516473088	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.1957742265182	1Cum.
9	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 - 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.	-	10.73408	Qntl
i)	BRM341 : Steel	1.05	11.270784	1 Qntl.
10	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.	-	94.5291276605	Sqm
i)	BRM340 : Cement	0.0358	3.3841427702459	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	1.4179369149075	1 Cum
11	Plastering (AR1014) ::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.	-	105.630711	Sqm
i)	BRM340 : Cement	0.043	4.542120573	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	1.901352798	1 Cum
12	Other Building Items. (AR1901Ba) ::Vitrified Tile 600mmx600mm Coloured /Printed - Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) 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 work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.	-	199.09670318	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	199.09670318	1 Sqm.
ii)	BRM174 : White Cement.	0.0076	1.513134944168	1Qntl
iii)	BRM340 : Cement	0.1074	21.382985921532	1 Qntl.

iv)	BRM028 : Screened and washed sharp sand for mortar	0.021	4.18103076678	1 Cum
13	Flooring (AR0817abk) :.Fixing Vitrified floor tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in in dados skirting and risers of steps on 12mm thick cement plaster(For repair and maintenance). - Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) 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(For repair and maintenance).	-	5.39580624	Sqm
i)	BRM132 : 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 Coloured / Printed series(Homogeneous)	1	5.39580624	1 Sqm.
ii)	BRM340 : Cement	0.1375	0.741923358	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.0809370936	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	149.1987981136	1 Cum	165.25	24655.101388272
2	BRM028	39.384037555887	1 Cum	165.25	6508.2122061103
3	BRM044	28.040869230397	1 Cum.	249.5	6996.1968729842
4	BRM006	14946.438846	1000 Nos	0.04025	601.5941635515
5	BRM060	5.8558705401607	1 Cum.	249.5	1461.0396997701

6	BRM052	8.783805810241	1 Cum.	249.5	2191.5595496551
Total: 42413.703880344					