

ESTIMATION DPR							
State	Odisha	District	Mayurbhanj	Block	Udala	Gram Panchayat	Patsanipur

Work Code	OD/365/3512/120416/391059/00060767 (CONSTRUCTION OF SHED OF PANDIT RAGHUNATH MURMU KHALADI VILLAGE UNDER PATSANIPUR GP)
Project Category	Building

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Udala	Proposal Date	-
Date of Commencement	18-10-2025	Date of Completion	-
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Special Problem Fund (SPF) 16 th Phase
Project Sub-Category	Community Centre	Project Type	New Work
Name of Executant	JITENDRA KUMAR SAHOO		

Administrative Approval Details

Approval No.	OD/365/3512/120416/391059/00060767/AS
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Technical Sanction Details

Technical Sanction No.	OD/365/3512/120416/391059/00060767/TS
Fund Sanction No.	
Fund Sanction Amount (in Rs.)	500000

ROYALTY STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement 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 -</p> <p>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>	-	12.307613952	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.	-	7.04402487104	Cum
i)	BRM029 : Sand for filling and road blinding	1	7.04402487104	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.	-	3.38908063376	Cum
i)	BRM340 : Cement	2.29	7.7609946513104	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	1.6267587042048	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	3.2535174084096	1 Cum.

4	Plastering (AR1027) :.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.	-	17.0030048667	Sqm
i)	BRM340 : Cement	0.0372	0.63251178104124	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0075	0.12752253650025	1 Cum
5	Plastering (AR1004) :.12mm thick cement plster (1:6) over Brick work in inside - 12mm thick cement plster (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.	-	51.468262	Sqm
i)	BRM340 : Cement	0.0358	1.8425637796	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.77202393	1 Cum

6	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.	-	33.3800479	Sqm
i)	BRM340 : Cement	0.043	1.4353420597	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.018	0.6008408622	1 Cum
7	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.	-	19.62668778	Sqm
i)	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	1	19.62668778	1 Sqm.
ii)	BRM340 : Cement	0.1375	2.69866956975	1 Qntl.

iii)	BRM028 : Screened and washed sharp sand for mortar	0.015	0.2944003167	1 Cum
8	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)	-	18.7199545	Sqm
i)	BRM340 : Cement	0.1208	2.2613705036	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.0169	0.31636723105	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	0.31636723105	1 Cum.

9	R.C.C. Work (AR0404Ag) :.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)	-	2.339392432	Cum
i)	BRM340 : Cement	3.4733	8.1254117340656	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.0527265944	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	0.84218127552	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	1.26327191328	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.076659	0.17933548444469	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0502172	0.11747773763623	1Cum.

10	<p>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.)</p>	-	2.00384967872	Cum
i)	BRM340 : Cement	3.4733	6.9599710890982	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.901732355424	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	0.7213858843392	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	1.0820788265088	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.004005	0.0080254179632736	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.000921	0.0018455455541011	1Mtr.

11	<p>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)</p>	-	0.8712024276032	Cum
i)	BRM340 : Cement	3.4733	3.0259473917942	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.39204109242144	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	0.31363287393715	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	0.47044931090573	1 Cum.
v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.011630552408503	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.0026745914527418	1Mtr.

12	<p>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)</p>	-	1.4340462299264	Cum
i)	BRM340 : Cement	3.4733	4.9808727704034	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.64532080346688	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	0.5162566427735	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	0.77438496416026	1 Cum.
v)	BRM084 : Sal bullahs 75mm. to 120mm. mean dia up to 5.5m. long.	0.045339	0.065018222018633	1Mtr
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.041529	0.059554505882613	1Cum.

13	R.C.C. Work (AR0404Ad) :.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)	-	0.52482073952	Cum
i)	BRM340 : Cement	3.4733	1.8228598745748	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	0.236169332784	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	0.1889354662272	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	0.2834031993408	1 Cum.
v)	BRM094 : Non-sal bullahs 125mm. mean dia of any length.	0.049542	0.0260006690773	1Mtr.
vi)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.0741335	0.038906798293206	1Cum.

14	<p>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.</p>	-	7.2	Qntl
i)	BRM341 : Steel	1.05	7.56	1 Qntl.
15	<p>Masonry Brick Work (AR0602b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in foundation and plinth - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) 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>	-	3.8086810149696	Cum
i)	BRM340 : Cement	1	3.8086810149696	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.0664306841915	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 2 %	350	1333.0383552394	1000 Nos

16	<p>Masonry Brick Work (AR0602bi) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure - Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:4) in superstructure having crushing strength not less than 75.00 Kg/cm² immersing the with dimensional tolerance ± 8 percent immersing 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>	-	10.7455459968	Cum
i)	BRM340 : Cement	1	10.7455459968	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.008752879104	1 Cum
iii)	BRM005 : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 2 %	350	3760.94109888	1000 Nos

17	<p>Flooring (AR0817ab) :.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) - 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.</p>	-	1.73356998	Sqm
i)	<p>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)</p>	1	1.73356998	1 Sqm.
ii)	<p>BRM340 : Cement</p>	0.1375	0.23836587225	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.015	0.0260035497	1 Cum

18	<p>Other Building Items. (AR1901Bb) :.Vitrified Tile 600mmx600mm industrial floor Tile - Supplying, fitting & fixing Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm 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.</p>	-	10.2220148967	Sqm
i)	<p>BRM133 : Tiles up to Vitrified industrial floor Tile of premium grade having thickness 8mm to 10mm confirming to IS 4457 of size 300mmx300mm</p>	1	10.2220148967	1 Sqm.
ii)	<p>BRM174 : White Cement.</p>	0.0076	0.07768731321492	1Qntl
iii)	<p>BRM340 : Cement</p>	0.1074	1.0978443999056	1 Qntl.
iv)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.021	0.2146623128307	1 Cum
19	<p>Other Building Items. (AR1902) :.cement based wall putty (water based) - 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&P,etc.co mplete. and as per the direction of Engineer in Charge.</p>	-	23.3492087967	Sqm

20	<p>Other Building Items. (AR1911) :.Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - 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&P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-	24.383999219712	Rmt
21	<p>Painting(AR0918cb) :.Finishing wall two coats with weather coat with one coat waterbound Primer - Finishing wall two coats with weather coat 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)</p>	-	55.64610991	Sqm
i)	BRM255 : Weather Coat (I.S.I.)	0.125	6.95576373875	1 Ltr
ii)	BRM253 : Wall cement primer (I.S.I.) Water bound	0.090322580645161	5.0261002499355	1 Ltr

22	Painting(AR0920a) :.Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on new work (Inside) - Finishing wall surface with two coats with plastic emulsion paint of approved shades above one coat oil bound Primer on 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)	-	44.2133645367	Sqm
i)	BRM140 : Plastic Emulsion paint	0.125	5.5266705670875	1 Litre
ii)	BRM252 : Wall cement primer (I.S.I.) Oil bound	0.084	3.7139226210828	1 Ltr
23	Painting(AR0903b) :.Fifth Floor - Painting two coats of enamel paint with a coat of red oxide primer over iron surface including all costs of labour, Paint, Primer, brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.	-	8.175464	Sqm
i)	BRM137 : Red oxide Primer	0.054	0.441475056	1 Litre
ii)	BRM141 : Enamel paint	0.125	1.021933	1 Litre

24	Flooring (AR0816jk) :.Fixing Chequered Tiles in floor, treads or steps and landing on a 25mm thick bed of cement mortar 1:1 (For repair and maintenance). - Fixing Chequered Tiles 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 Chequered tiles including rubbing and polishing, cost of precast tiles complete as per direction of Engineer-in-charge(For repair and maintenance) .	-	5.57418	Sqm
i)	BRM340 : Cement	0.2737	1.525653066	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.013	0.07246434	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	7.04402487104	1 Cum	393.5	2771.8237867542
2	BRM028	11.354217524978	1 Cum	393.5	4467.8845960787
3	BRM044	3.2535174084096	1 Cum.	729	2371.8141907306
4	BRM064	0.31636723105	1 Cum.	729	230.63171143545
5	BRM060	2.5823921427971	1 Cum.	729	1882.5638720991
6	BRM052	3.8735882141956	1 Cum.	729	2823.8458081486
7	BRM005	5093.9794541194	1000 Nos	0.04025	205.0326730283

Total: 14753.596638275