

ESTIMATION DPR							
State	Odisha	District	Nabarangpur	Block	Dabugam	Gram Panchayat	Dabugam

Work Code	OD/366/3514/120436/427679/00065086 (Repair and Renovation of Alekha Tunji at village Umurahandi)						
Project Category	Religious Structures						

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Dabugam	Proposal Date	-
Date of Commencement	28-11-2025	Date of Completion	15-01-2026
Scheme Name	Chief Minister Special Assistant	Scheme Component Name	Chief Minister Special Assistance (CM-SA)
Project Sub-Category	Religious Structures	Project Type	Renovation or Rejuvenation
Name of Executant	Abinash Nayak		

Administrative Approval Details

Approval No.	OD/366/3514/120436/427679/00065086/AS
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Technical Sanction Details

Technical Sanction No.	OD/366/3514/120436/427679/00065086/TS
Fund Sanction No.	1276
Fund Sanction Amount (in Rs.)	250000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>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</p>	Cum	11.550525	240.77592	75696.163893052
2	<p>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.</p>	Cum	20.564649	662.866232	75696.163893052

3	<p>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	Cum	9.972739	5153.88617398	75696.163893052
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4	<p>R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	Cum	6.72748	5603.7024388246	75696.163893052
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5	<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>	Qntl	2.499372	10412.319876	75696.163893052
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6	<p>Masonry Brick Work (AR0603) : K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with K.B. 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/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>	Cum	6.930315	5316.692566864	75696.163893052
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7	Masonry Brick Work (AR0603i) : K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with K.B. 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 ² 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.	Cum	14.148756	5350.022566864	75696.163893052
Total Amount (in Rs.): 244076.63630304					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement 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	-	11.550525	Cum

	i	Un-Skilled	0.516	5.9600709	-
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.	-	20.564649	Cum
	i	Un-Skilled	0.1236	2.5417906164	-
3		Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	9.972739	Cum
	i	Un-Skilled	3.9	38.8936821	-
	ii	Skilled	0.18	1.79509302	-

4	R.C.C. Work (AR0404A) : 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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	6.72748	Cum
i	Un-Skilled	1.3333	8.969749084	-
ii	Skilled	0.1	0.672748	-
iii	Semi-Skilled	0.0573	0.385484604	-

5	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.	-	2.499372	Qntl
i	Un-Skilled	0.8	1.9994976	-
ii	Highly-Skilled	0.3	0.7498116	-
iii	Semi-Skilled	0.044	0.109972368	-

6	Masonry Brick Work (AR0603) : K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with K.B. 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 ² 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.	-	6.930315	Cum
i	Un-Skilled	2.96	20.5137324	-
ii	Skilled	1.05	7.27683075	-
iii	Highly-Skilled	0.35	2.42561025	-

7	<p>Masonry Brick Work (AR0603i) : K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with K.B. Bricks of size (25cm x 12cm 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>	-	14.148756	Cum
i	Un-Skilled	2.96	41.88031776	-
ii	Skilled	1.05	14.8561938	-
iii	Highly-Skilled	0.35	4.9520646	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
0	Un-Skilled	120.7588404604	462	55790.584292705
1	Skilled	24.60086557	562	13825.68645034
2	Semi-Skilled	0.495456972	512	253.673969664
3	Highly-Skilled	8.12748645	612	4974.0217074

Total: 74843.966420109

MATERIAL 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	-	11.550525	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.	-	20.564649	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.564649	1 Cum
3	Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.	-	9.972739	Cum
i)	BRM340 : Cement	2.29	22.83757231	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.78691472	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.57382944	1 Cum.
4	R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)	-	6.72748	Cum
i)	BRM340 : Cement	3.4733	23.366556284	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.027366	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	2.4218928	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	3.6328392	1 Cum.

5	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.	-	2.499372	Qntl
i)	BRM162 : Binding Wire.	0.8	1.9994976	1 Kg.
ii)	BRM341 : Steel	1.05	2.6243406	1 Qntl.
6	Masonry Brick Work (AR0603) :.K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with K.B. 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 ² 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.	-	6.930315	Cum
i)	BRM003 : K.B. bricks (25 Cm x 12Cm x 8Cm) having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 8 percent.	350	2425.61025	1000 Nos
ii)	BRM340 : Cement	0.672	4.65717168	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	1.9404882	1 Cum

7	Masonry Brick Work (AR0603i) :K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with K.B. 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 ² 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.	-		14.148756	Cum
i)	BRMMR0025 : SCAFFOLDING CHARGES FOR BRICK MASONRY WORK	1		14.148756	1 Cum
ii)	BRM003 : K.B. bricks (25 Cm x 12Cm x 8Cm) having crushing strength not less than 75 Kg./Cm ² with dimensional tolerance ± 8 percent.	350		4952.0646	1000 Nos
iii)	BRM340 : Cement	0.672		9.507964032	1 Qntl.
iv)	BRM028 : Screened and washed sharp sand for mortar	0.28		3.96165168	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	20.564649	1 Cum	347.95	7155.46961955
2	BRM340	60.369264306	1 Qntl.	573.227	34605.292270335
3	BRM028	13.7164206	1 Cum	417.24	5723.039331144
4	BRM045	9.57382944	1 Cum.	1219.61	11676.338123318
5	BRM060	2.4218928	1 Cum.	1889.98	4577.328954144
6	BRM052	3.6328392	1 Cum.	1853.6	6733.83074112
7	BRM162	1.9994976	1 Kg.	90.1	180.15473376
8	BRM341	2.6243406	1 Qntl.	7801.537	20473.890291502
9	BRM003	7377.67485	1000 Nos	6.96977	51420.696839285
10	BRMMR0025	14.148756	1 Cum	33	466.908948

ROYALTY STATEMENT

SI.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	-	11.550525	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.	-	20.564649	Cum
i)	BRM029 : Sand for filling and road blinding	1	20.564649	1 Cum

3	<p>Concrete (AR0303a) :.Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal - Cement concrete (1:3:6) with 4 cm. hard granite(Hand 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.</p>	-	9.972739	Cum
i)	BRM340 : Cement	2.29	22.83757231	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	4.78691472	1 Cum
iii)	BRM045 : Granite Stone broken metal 40mm. size (Hand broken)	0.96	9.57382944	1 Cum.
4	<p>R.C.C. Work (AR0404A) :.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. complete and as per direction of Engineer-in charge. (excluding centring and shuttering)</p>	-	6.72748	Cum
i)	BRM340 : Cement	3.4733	23.366556284	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.027366	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	2.4218928	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	3.6328392	1 Cum.
5	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.	-	2.499372	Qntl
i)	BRM341 : Steel	1.05	2.6243406	1 Qntl.

6	<p>Masonry Brick Work (AR0603) :.K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - Brickwork with K.B. 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/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>	-	6.930315	Cum
i)	<p>BRM003 : K.B. bricks (25 Cm x 12Cm x 8Cm) having crushing strength not less than 75 Kg./Cm² with dimensional tolerance ± 8 percent.</p>	350	2425.61025	1000 Nos
ii)	<p>BRM340 : Cement</p>	0.672	4.65717168	1 Qntl.
iii)	<p>BRM028 : Screened and washed sharp sand for mortar</p>	0.28	1.9404882	1 Cum
7	<p>Masonry Brick Work (AR0603i) :.K.B. Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure - Brickwork with K.B. Bricks of size (25cm x 12cm 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>	-	14.148756	Cum

i)	BRM003 : K.B. bricks (25 Cm x 12Cm x 8Cm) having crushing strength not less than 75 Kg./Cm2 with dimensional tolerance \pm 8 percent.	350	4952.0646	1000 Nos
ii)	BRM340 : Cement	0.672	9.507964032	1 Qntl.
iii)	BRM028 : Screened and washed sharp sand for mortar	0.28	3.96165168	1 Cum

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	20.564649	1 Cum	251.25	5166.86806125
2	BRM028	13.7164206	1 Cum	251.25	3446.25067575
3	BRM045	9.57382944	1 Cum.	176.5	1689.78089616
4	BRM060	2.4218928	1 Cum.	176.5	427.4640792
5	BRM052	3.6328392	1 Cum.	176.5	641.1961188
6	BRM003	7377.67485	1000 Nos	0.04025	296.9514127125
Total: 11668.511243873					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 3350	Rs. 3350
2	Provision for Contingency @ Rs. 2500	Rs. 2500
3	Any Other Lumpsum @ Rs. 73	Rs. 73
Total Addition Component Amount (in Rs.): 5923		

Total Net Amount (in Rs.): 249999.63630304