

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Dharamagarh	Gram Panchayat	Khairapadar

Work Code	OD/358/3410/118639/423962/00017146 (REPAIR AND MAINTAINANCE OF PHC KHAIRPADAR)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Dharamagarh	Proposal Date	02-12-2025
Date of Commencement	31-05-2025	Date of Completion	13-11-2025
Scheme Name	Asset Management Health and Family Welfare Department	Scheme Component Name	Self/Personal Deposit
Project Sub-Category	Primary Health Centre	Project Type	Repair and Maintenance
Name of Executant	RAMANANDA BHOI		

Administrative Approval Details

Approval No.	OD/358/3410/118639/423962/00017146/AS
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Technical Sanction Details

Technical Sanction No.	OD/358/3410/118639/423962/00017146/TS
Fund Sanction No.	709
Fund Sanction Amount (in Rs.)	200000

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p>Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	2.322	200.6466	72618.315263997
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	10.976	636.808232	72618.315263997

3	<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.</p>	Cum	3.2	7095.76189022	72618.315263997
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4	<p>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	Sqm	109.76	513.95	72618.315263997
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5	Roofing (AR1132) : Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge	Sqm	139.2	521.68329931032	72618.315263997
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Total Amount (in Rs.): 159191.41387233

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Meaurement Qty)	Unit
1	Earth Work (AR0102a) : Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	2.322	Cum
i	Un-Skilled	0.43	0.99846	-

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.	-	10.976	Cum
i	Un-Skilled	0.1236	1.3566336	-
3	Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.	-	3.2	Cum
i	Un-Skilled	4.6	14.72	-
ii	Skilled	0.68	2.176	-

4	<p>miscellaneous (ARM286) : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC - Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	109.76	Sqm
5	<p>Roofing (AR1132) : Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge</p>	-	139.2	Sqm
i	Un-Skilled	0.21505376344086	29.935483870968	-
ii	Highly-Skilled	0.16129032258065	22.451612903226	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
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0	Un-Skilled	47.010577470968	462	21718.886791587
1	Skilled	2.176	562	1222.912
2	Highly-Skilled	22.451612903226	612	13740.387096774
				Total: 36682.185888361

MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	2.322	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.	-	10.976	Cum
i)	BRM029 : Sand for filling and road blinding	1	10.976	1 Cum

3	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specifaion and direction of Engineer-in charge.</p>	-	3.2	Cum
i)	BRM340 : Cement	3.23	10.336	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.44	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	2.88	1 Cum.

4	<p>miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	109.76	Sqm
i)	<p>BRM029 : Sand for filling and road blinding</p>	0.05	5.488	1 Cum
ii)	<p>BRMM286 : Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items)</p>	1	109.76	1 Sqm
5	<p>Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge</p>	-	139.2	Sqm

i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	139.2	1 Sqm
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SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	16.464	1 Cum	478.15	7872.2616
2	BRM340	10.336	1 Qntl.	611.157	6316.918752
3	BRM028	1.44	1 Cum	483.09	695.6496
4	BRM056	2.88	1 Cum.	1802.83	5192.1504
5	BRMM286	109.76	1 Sqm	485.28	53264.3328
6	BRM149	139.2	1 Sqm	318.453602	44328.7413984

Total: 117670.0545504

ROYALTY STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0102a) :.Earth work in hard soil or gravelly soil within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil 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	-	2.322	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.	-	10.976	Cum
i)	BRM029 : Sand for filling and road blinding	1	10.976	1 Cum

3	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) 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 as per specificaion and direction of Engineer-in charge.</p>	-	3.2	Cum
i)	BRM340 : Cement	3.23	10.336	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	1.44	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	2.88	1 Cum.

4	<p>miscellaneous(ARM28 6) :.Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC -</p> <p>Supplying and fixing of 60mm thick cement concrete interlocking paver block of M-30 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.</p>	-	109.76	Sqm
i)	BRM029 : Sand for filling and road blinding	0.05	5.488	1 Cum
5	<p>Roofing (AR1132) :.Supplying, feeting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.30mm thick) in roof drilling hole in wind ties including fixing of ridges valleys wind ties etc. including cost of fitting, Labour and material etc. complete as per direction of Engineer-in-Charge</p>	-	139.2	Sqm
i)	BRM149 : G.C.I. Sheet 0.30mm thick	1	139.2	1 Sqm

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	16.464	1 Cum	95.25	1568.196
2	BRM028	1.44	1 Cum	95.25	137.16
3	BRM056	2.88	1 Cum.	157.5	453.6
Total: 2158.956					

ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4000	Rs. 4000
2	Display Citizen Board @ Rs. 2000	Rs. 2000
3	Any Other Lumpsum @ Rs. 34807	Rs. 34807
Total Addition Component Amount (in Rs.): 40807		

Total Net Amount (in Rs.): 199998.41387233