

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Cuttack	<b>Block</b>	Tigiria	<b>Gram Panchayat</b>	Bhiruda

<b>Work Code</b>	OD/350/3345/117170/398981/00062833 (Const of Rural Haat at Godijharia, Bhiruda )
<b>Project Category</b>	Other Infrastructure

<b>Financial Year</b>	2021-22	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Tigiria	<b>Proposal Date</b>	12-11-2021
<b>Date of Commencement</b>	-	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Development of Rural Haat
<b>Project Sub-Category</b>	Rural Haat	<b>Project Type</b>	New Work
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	
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### Technical Sanction Details

<b>Technical Sanction No.</b>	
<b>Fund Sanction No.</b>	19515
<b>Fund Sanction Amount (in Rs.)</b>	1000000

### ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
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1	<p style="text-align: center;"><b>Earth Work (AR0102aa)</b>  <b>: Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  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</p>	Cum	45.537945088	240.77592	10964.440623473
2	<p style="text-align: center;"><b>Earth Work (AR0115) :</b>  <b>Filling foundation and plinth with sand well watered and rammed -</b>  Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	101.61653722384	1259.372232	127973.0452917

3	<p style="text-align: center;"><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b> 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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	27.364812148925	5655.74829386	154768.48962308
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4	<p style="text-align: center;"><b>Masonry</b></p> <p><b>Brick Work (AR0603b) :</b>  <b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</b> Brickwork with Flyash 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	Cum	36.648994613888	5062.507481248	185535.80941303
5	<p style="text-align: center;"><b>Flooring</b></p> <p><b>(AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips -</b> 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance &amp; royalty of materials as per direction of Engineer-in-charge.</p>	Sqm	228.54138	368.9991829772	84331.582496482

6	<p align="center"><b>Roofing (AR1132i) : Supplying, feeting &amp; fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties -</b></p> <p>Supplying, fitting &amp; fixing of G.C.I. Sheet (0.40mm 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>	Sqm	243.40586	815.26646129032	198440.63413953
7	<p align="center"><b>Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks</b></p> <p>- Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T &amp; P required for the work etc. as per direction of Engineer-in-Charge.</p>	Qntl	16.8	13554.584094252	227717.01278343
<b>Total Amount (in Rs.): 989731.01437072</b>					

## LABOUR STATEMENT

Sl.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p><b>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b></p> <p>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</p>	-	45.537945088	Cum
i	Un-Skilled	0.516	23.497579665408	-
2	<p><b>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed -</b></p> <p>Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	101.61653722384	Cum
i	Un-Skilled	0.1236	12.559804000867	-

3	<p><b>Concrete (AR0303) :</b>  <b>Cement concrete (1:3:6) with 4 cm.</b>  <b>Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	27.364812148925	Cum
	i Skilled	0.18	4.9256661868065	-
	ii Un-Skilled	3.9	106.72276738081	-
4	<p><b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b>  - Brickwork with Flyash 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<sup>2</sup> 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&amp;P required for the work, etc. complete and as per direction of Engineer-in-charge.</p>	-	36.648994613888	Cum
	i Un-Skilled	2.96	108.48102405711	-

	ii	Skilled	1.05	38.481444344582	-
	iii	Highly-Skilled	0.35	12.827148114861	-
5		<b>Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips</b> - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	228.54138	Sqm
	i	Un-Skilled	0.36	82.2748968	-
	ii	Highly-Skilled	0.13	29.7103794	-
6		<b>Roofing (AR1132i) : Supplying, feeting &amp; fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties</b> - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm 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	-	243.40586	Sqm
	i	Un-Skilled	0.21505376344086	52.345346236559	-
	ii	Highly-Skilled	0.16129032258065	39.259009677419	-

7	<b>Iron Work (AR1703) : Iron work wrought and put up in trusses and record racks -</b> Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in- Charge.	-	16.8	Qntl
i	Un-Skilled	4.9212598425197	82.677165354331	-
ii	Semi-Skilled	1.9685039370079	33.070866141732	-
iii	Skilled	4.4291338582677	74.409448818898	-

SI.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	468.55858349508	462	216474.06557473
2	Skilled	117.81655935029	562	66212.906354861
3	Highly-Skilled	81.79653719228	612	50059.480761675
4	Semi-Skilled	33.070866141732	512	16932.283464567

**Total: 349678.73615583**

## MATERIAL STATEMENT

SI.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
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1	<p><b>Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation &amp; plinth within 50m. Initial lead and 1.5m initial lift -</b>  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</p>	-	45.537945088	Cum
2	<p><b>Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed -</b> Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T &amp; P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	101.61653722384	Cum
i)	<p><b>BRM029 : Sand for filling and road blinding</b></p>	1	101.61653722384	1 Cum
3	<p><b>Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	27.364812148925	Cum
i)	<p><b>BRM340 : Cement</b></p>	2.29	62.665419821038	1 Qntl.
ii)	<p><b>BRM028 : Screened and washed sharp sand for mortar</b></p>	0.48	13.135109831484	1 Cum

iii)	<b>BRM044</b> : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	26.270219662968	1 Cum.
4	<b>Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth</b> - Brickwork with Flyash 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 <sup>2</sup> with dimensional tolerance $\pm 8$ 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.	-	<b>36.648994613888</b>	Cum
i)	<b>BRM340</b> : Cement	0.672	24.628124380533	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	10.261718491889	1 Cum
iii)	<b>BRM005</b> : Fly ash bricks of 25 Cm. x 12 Cm. x 8 Cm. size having crushing strength not less than 75 Kg./Cm <sup>2</sup> with dimensional tolerance $\pm 2$ %	350	12827.148114861	1000 Nos
5	<b>Flooring (AR0802i) : 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips</b> - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG crusher broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	<b>228.54138</b>	Sqm
i)	<b>BRM340</b> : Cement	0.0858	19.608850404	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.012	2.74249656	1 Cum

iii)	<b>BRM056</b> : 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)	0.023	5.25645174	1 Cum.
6	<b>Roofing (AR1132i)</b> :.Supplying, feeting & fixing of G.C.I. Sheet (0.40mm thick) in roof drilling hole in wind ties - Supplying, fitting & fixing of G.C.I. Sheet (0.40mm 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	-	<b>243.40586</b>	Sqm
i)	<b>BRM150</b> : G.C.I. Sheet 0.40mm thick	1	243.40586	1 Sqm.
7	<b>Iron Work(AR1703)</b> :.Iron work wrought and put up in trusses and record racks - Iron work wrought and put up in trusses and record racks including all cost of labour, material, machinery and T & P required for the work etc. as per direction of Engineer-in-Charge.	-	<b>16.8</b>	Qntl
i)	<b>BRM341</b> : Steel	1	16.8	1 Qntl.

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	101.61653722384	1 Cum	803.65	81664.130139939
2	<b>BRM340</b>	106.90239460557	1 Qntl.	563.767	60268.042299599
3	<b>BRM028</b>	26.139324883373	1 Cum	808.59	21135.996707446
4	<b>BRM044</b>	26.270219662968	1 Cum.	1417.71	37243.553118386
5	<b>BRM005</b>	12827.148114861	1000 Nos	5.8914	75569.860403891
6	<b>BRM056</b>	5.25645174	1 Cum.	1846.31	9705.0394120794
7	<b>BRM150</b>	243.40586	1 Sqm.	609.13	148265.8115018
8	<b>BRM341</b>	16.8	1 Qntl.	6486.587	108974.6616
<b>Total: 542827.09518314</b>					

## ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	101.61653722384	1 Cum	386.15	39239.225848986
2	BRM028	26.139324883373	1 Cum	386.15	10093.700303714
3	BRM044	26.270219662968	1 Cum.	259.5	6817.1220025402
4	BRM056	5.25645174	1 Cum.	259.5	1364.04922653
<b>Total: 57514.09738177</b>					

#### ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 9768	Rs. 9768
2	Display Citizen Board @ Rs. 500	Rs. 500
<b>Total Addition Component Amount (in Rs.): 10268</b>		

**Total Net Amount (in Rs.): 999999.01437072**