

ESTIMATION DPR							
State	Odisha	District	Dhenkanal	Block	Hindol	Gram Panchayat	Babandha

Work Code	OD/352/3352/117310/403103/00024466 (Improvement of Babandha Haat)
Project Category	Other Infrastructure

Financial Year	2023-24	Execution Level	PS
Executing Agency	Panchayat Samiti, Hindol	Proposal Date	-
Date of Commencement	30-08-2025	Date of Completion	-
Scheme Name	5th SFC Grant in Aid	Scheme Component Name	Development of Rural Haat
Project Sub-Category	Rural Haat	Project Type	Upgradation or Improvement
Name of Executant	Susant Kumar Singh		

Administrative Approval Details

Approval No.	OD/352/3352/117310/403103/00024466/AS
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Technical Sanction Details

Technical Sanction No.	OD/352/3352/117310/403103/00024466/TS
Fund Sanction No.	11825
Fund Sanction Amount (in Rs.)	1000000

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	-	65.522809856	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.	-	55.50814312064	Cum
i)	BRM029 : Sand for filling and road blinding	1	55.50814312064	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.	-	33.9319364896	Cum
i)	BRM340 : Cement	2.29	77.704134561184	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	16.287329515008	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	32.574659030016	1 Cum.

4	<p>Masonry Brick Work (AR0603b) :.Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth - 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/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>	-	60.19866246656	Cum
i)	BRM340 : Cement	0.672	40.453501177528	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	16.855625490637	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	21069.531863296	1000 Nos
5	<p>Earth Work (AR0122Bii) :.Earthwork in hard soil or gravelly soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in hard soil or gravelly soil within 5 Km..mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	-	194.18585967936	Cum

6	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.	-	7.18865	Qntl
i)	BRM341 : Steel	1.05	7.5480825	1 Qntl.
7	Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside - 12mm thick cement plaster (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.	-	191.751792	Sqm
i)	BRM340 : Cement	0.0358	6.8647141536	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	2.87627688	1 Cum
8	Flooring (AR0802ii) :.2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips - 2.5 cm thick A.S. flooring in C.C (1:2:4) with 12 mm size HG Hand broken chips including punning incl. cost, conveyance & royalty of materials as per direction of Engineer-in-charge.	-	317.356648	Sqm
i)	BRM340 : Cement	0.0858	27.2292003984	1 Qntl.

ii)	BRM028 : Screened and washed sharp sand for mortar	0.012	3.808279776	1 Cum
iii)	BRM057 : 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)(Hand broken)	0.023	7.299202904	1 Cum.
9	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)	-	7.77101340416	Cum
i)	BRM340 : Cement	3.4733	26.991060856669	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	3.496956031872	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	2.7975648254976	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	4.1963472382464	1 Cum.

v)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.01335	0.10374302894554	1Cum.
vi)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.00307	0.023857011150771	1Mtr.

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	55.50814312064	1 Cum	823.05	45685.977195443
2	BRM028	43.324467693517	1 Cum	823.05	35658.203135149
3	BRM044	32.574659030016	1 Cum.	442.5	14414.286620782
4	BRM005	21069.531863296	1000 Nos	0.04025	848.04865749766
5	BRM057	7.299202904	1 Cum.	442.5	3229.89728502
6	BRM060	2.7975648254976	1 Cum.	442.5	1237.9224352827
7	BRM052	4.1963472382464	1 Cum.	442.5	1856.883652924

Total: 102931.2189821