

ESTIMATION DPR							
State	Odisha	District	Kalahandi	Block	Karlamunda	Gram Panchayat	Karlamunda

Work Code	OD/358/3415/118733/422453/00063777 (Improvement of Ratan Bhoi High School, Karlamunda)						
Project Category	Building						

Financial Year	2024-25	Execution Level	PS
Executing Agency	Panchayat Samiti, Karlamunda	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	SFC Devolution of Fund	Scheme Component Name	5TH SFC DEVOLUTION GRANT TO ZILLA PARISHAD
Project Sub-Category	Secondary School	Project Type	Upgradation or Improvement
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	810
Fund Sanction Amount (in Rs.)	452397

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;">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	51.75	240.77592	12460.15386
2	<p style="text-align: center;">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	17.25	581.258232	10026.704502

3	<p style="text-align: center;">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.</p>	Cum	6	5311.38316816	31868.29900896
4	<p style="text-align: center;">Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth</p>	Cum	30	5399.38145432	161981.4436296

5	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.	Sqm	240	168.9010923632	40536.262167168
Total Amount (in Rs.): 256872.86316773					

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	-	51.75	Cum
i	Un-Skilled	0.516	26.703	-

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.	-	17.25	Cum
i	Un-Skilled	0.1236	2.1321	-
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.	-	6	Cum
i	Skilled	0.18	1.08	-
ii	Un-Skilled	3.9	23.4	-

4	Masonry Brick Work (AR06059) : Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm ² with dimensional tolerance ± 8 percent in cement mortar (1:3) in foundation and plinth	-	30	Cum
i	Un-Skilled	2.82	84.6	-
ii	Skilled	1.05	31.5	-
iii	Highly-Skilled	0.35	10.5	-
5	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.	-	240	Sqm
i	Un-Skilled	0.12	28.8	-
ii	Skilled	0.14	33.6	-

Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	165.6351	462	76523.4162

2	Skilled	66.18	562	37193.16
3	Highly-Skilled	10.5	612	6426
				Total: 120142.5762

MATERIAL 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	-	51.75	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.	-	17.25	Cum
i)	BRM029 : Sand for filling and road blinding	1	17.25	1 Cum

3	<p>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.</p>	-	6	Cum
i)	BRM340 : Cement	2.29	13.74	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	2.88	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	5.76	1 Cum.
4	<p>Masonry Brick Work (AR06059) :.Brick work with K.B. bricks 25cm x 12cm x 8cm - Brick work with K.B. bricks 25cm x 12cm x 8cm size having crushing strength not less than 75 Kg/cm² with dimensional tolerance \pm 8 percent in cement mortar (1:3) in foundation and plinth</p>	-	30	Cum
i)	BRM340 : Cement	1.33	39.9	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.28	8.4	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 \pm 2 %	350	10500	1000 Nos

5	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.	-	240	Sqm
i)	BRM340 : Cement	0.0358	8.592	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.015	3.6	1 Cum

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	17.25	1 Cum	478.15	8248.0875
2	BRM340	62.232	1 Qntl.	602.612	37501.749984
3	BRM028	14.88	1 Cum	483.09	7188.3792
4	BRM044	5.76	1 Cum.	1401.46	8072.4096
5	BRM005	10500	1000 Nos	6.1539	64615.95
Total: 125626.576284					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	17.25	1 Cum	40.25	694.3125
2	BRM028	14.88	1 Cum	40.25	598.92
3	BRM044	5.76	1 Cum.	149.5	861.12
Total: 2154.3525					

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for PH Work @ Rs. 45280	Rs. 45280
2	Provision for Contingency @ Rs. 4524	Rs. 4524

3	Display Citizen Board @ Rs. 5000	Rs. 5000
4	Any Other Lumpsum @ Rs. 140720	Rs. 140720
Total Addition Component Amount (in Rs.): 195524		

Total Net Amount (in Rs.): 452396.86316773