

ESTIMATION DPR							
<b>State</b>	Odisha	<b>District</b>	Nayagarh	<b>Block</b>	Nayagarh	<b>Gram Panchayat</b>	Jemadeipurpatana

<b>Work Code</b>	OD/367/3527/120666/406267/00017149 (Development of Jemadeipurpatana Park)						
<b>Project Category</b>	Other Infrastructure						

<b>Financial Year</b>	2024-25	<b>Execution Level</b>	PS
<b>Executing Agency</b>	Panchayat Samiti, Nayagarh	<b>Proposal Date</b>	-
<b>Date of Commencement</b>	11-06-2025	<b>Date of Completion</b>	
<b>Scheme Name</b>	5th SFC Grant in Aid	<b>Scheme Component Name</b>	Innovative Practices
<b>Project Sub-Category</b>	Rural Park	<b>Project Type</b>	Renovation or Rejuvenation
<b>Name of Executant</b>			

### Administrative Approval Details

<b>Approval No.</b>	OD/367/3527/120666/406267/00017149/AS
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### Technical Sanction Details

<b>Technical Sanction No.</b>	OD/367/3527/120666/406267/00017149/TS
<b>Fund Sanction No.</b>	1691
<b>Fund Sanction Amount (in Rs.)</b>	400000

### 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	62.67	240.77592	15089.4269064
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	21.002	780.783732	16398.019939464

3	<p><b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b>  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&amp;P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	24.177	5171.4398043	125029.90014856
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4	<p><b>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum -</b> 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	Cum	9.375	6958.8341581	65239.070232188
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5	<p style="text-align: center;"><b>Masonry Brick Work (AR0603b) :</b></p> <p><b>Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth -</b></p> <p>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	15.6175	5033.95815384	78617.841467596
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6	<b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside. - 16mm thick cement Plaster in CM (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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</b>	Sqm	54.72	247.84224461	13561.927625059
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7	<b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b> 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	35.67	172.965007426	6169.6618148854
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8	<p style="text-align: center;"><b>Other Building Items. (AR1911) :</b></p> <p><b>Stainless steel of 304 grade in hand railing using 50mm dia of 2mm -</b></p> <p>Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	Rmt	25.298399190451	3129.0244276074	79159.309046284
<b>Total Amount (in Rs.): 399265.15718044</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> - 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>	-	62.67	Cum
i	Un-Skilled	0.516	32.33772	-
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>	-	21.002	Cum
i	Un-Skilled	0.1236	2.5958472	-

3	<b>Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal -</b> 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.	-	24.177	Cum
i	Un-Skilled	3.9	94.2903	-
ii	Skilled	0.18	4.35186	-

4	<b>Concrete (AR0307)</b> <b>: 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</b>	-	9.375	Cum
i	Un-Skilled	4.6	43.125	-
ii	Skilled	0.68	6.375	-

5	<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 <math>\pm 8</math> 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>	-	15.6175	Cum
i	Un-Skilled	2.96	46.2278	-
ii	Skilled	1.05	16.398375	-
iii	Highly-Skilled	0.35	5.466125	-

6	<p><b>Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.</b></p> <p>- 16mm thick cement Plaster in CM (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 &amp; P required for the work etc comp.and as per direction of Engineer-in-charge.</p>	-	54.72	Sqm
i	Un-Skilled	0.24	13.1328	-
ii	Skilled	0.16	8.7552	-
7	<p><b>Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside -</b></p> <p>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 &amp; P required for the work etc. comp.and as per direction of Engineer-in-charge.</p>	-	35.67	Sqm

	i	Un-Skilled	0.12	4.2804	-
	ii	Skilled	0.14	4.9938	-
8		<p><b>Other Building Items. (AR1911) : Stainless steel of 304 grade in hand railing using 50mm dia of 2mm - Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</b></p>	-	25.298399190451	Rmt
	i	Semi-Skilled	0.27300613496933	6.9066181838961	-
	ii	Highly-Skilled	0.27300613496933	6.9066181838961	-
<b>Sl.No.</b>		<b>Labour Type</b>	<b>Qty Unit</b>	<b>Rate</b>	<b>Amount</b>
2		Un-Skilled	235.9898672	462	109027.3186464

4	Skilled	40.874235	562	22971.32007
5	Highly-Skilled	12.372743183896	612	7572.1188285444
3	Semi-Skilled	6.9066181838961	512	3536.1885101548
				<b>Total: 143106.9460551</b>

## MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	<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 & 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	-	<b>62.67</b>	Cum
2	<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 & P required for the work etc. complete and as per direction of Engineer-in charge.	-	<b>21.002</b>	Cum

i)	<b>BRM029</b> : Sand for filling and road blinding	1	21.002	1 Cum
3	<b>Concrete (AR0303a)</b> :.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.	-	<b>24.177</b>	Cum
i)	<b>BRM340</b> : Cement	2.29	55.36533	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.48	11.60496	1 Cum
iii)	<b>BRM045</b> : Granite Stone broken metal 40mm. size (Hand broken)	0.96	23.20992	1 Cum.

4	<p><b>Concrete (AR0307)</b>  <b>:.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum</b> - 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&amp;P required for the work etc. complete as per specificaion and direction of Engineer-in charge.</p>	-	<b>9.375</b>	Cum
i)	<b>BRM340</b> : Cement	3.23	30.28125	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.45	4.21875	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)	0.9	8.4375	1 Cum.

5	<b>Masonry 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 $\pm 8$ 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.	-	15.6175	Cum
i)	<b>BRM340</b> : Cement	0.672	10.49496	1 Qntl.
ii)	<b>BRM028</b> : Screened and washed sharp sand for mortar	0.28	4.3729	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	5466.125	1000 Nos

6	<b>Plastering (AR1014) :.16mm thick cement Plaster in CM (1:6) over brick work in inside.</b> - 16mm thick cement Plaster in CM (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.	-	54.72	Sqm
i)	<b>BRM340 : Cement</b>	0.043	2.35296	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.018	0.98496	1 Cum
7	<b>Plastering (AR1004) :.12mm thick cement plaster (1:6) over Brick work in inside</b> - 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.	-	35.67	Sqm
i)	<b>BRM340 : Cement</b>	0.0358	1.276986	1 Qntl.
ii)	<b>BRM028 : Screened and washed sharp sand for mortar</b>	0.015	0.53505	1 Cum

8	<p><b>Other Building Items. (AR1911)</b>  <b>:.Stainless steel of 304 grade in hand railing using 50mm dia of 2mm -</b>  Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with Balustrade of size 32mm x 32mm x 2mm @ 0.90mtr. C/C and stainless square pipe bracing of size 32mm x 32mm x 2mm in 3 rows in staircase as per approved design and specification, buffing, polishing etc with cost, conveyance, taxes of all materials, labour, T&amp;P etc. required for the complete in all respect. and as per direction of Engineer in Charge</p>	-		<b>25.298399190451</b>	Rmt
i)	<b>BRMMR0024 :</b> Buffing, Polishing etc.	0.30674846625767		7.7602451504451	L.S.
ii)	<b>BRMMR0023 :</b> Fabrication	10.478527607362		265.0899743392	kg
iii)	<b>BRMMR0022 :</b> Stainless steel square pipe bracing of size 32mmx32mmx2mm in 3 rows	5.101226993865		129.0528768519	kg
iv)	<b>BRMMR0021 :</b> Balustrade of size 30mmx32mmx2mm	1.8773006134969		47.492700320724	kg
v)	<b>BRMMR0020 :</b> Railing 50mm outer dia of 2mm thick		3.5	88.544397166579	kg

Sl.No.	Material Name	Qty	Unit	Rate	Amount
1	<b>BRM029</b>	21.002	1 Cum	410.7	8625.5214
2	<b>BRM340</b>	99.771486	1 Qntl.	579.287	57796.324810482
3	<b>BRM028</b>	21.71662	1 Cum	417.13	9058.6537006

4	<b>BRM045</b>	23.20992	1 Cum.	1038.44	24102.1093248
5	<b>BRM056</b>	8.4375	1 Cum.	1672.63	14112.815625
6	<b>BRM005</b>	5466.125	1000 Nos	6.00665	32833.09973125
7	<b>BRMMR0024</b>	7.7602451504451	L.S.	178.42	1384.5829397424
8	<b>BRMMR0023</b>	265.0899743392	kg	10	2650.899743392
9	<b>BRMMR0022</b>	129.0528768519	kg	256.62	33117.549257735
10	<b>BRMMR0021</b>	47.492700320724	kg	256.62	12187.576756304
11	<b>BRMMR0020</b>	88.544397166579	kg	240.24	21271.905975299
<b>Total: 217141.0392646</b>					

### ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	<b>BRM029</b>	21.002	1 Cum	305.25	6410.8605
2	<b>BRM028</b>	21.71662	1 Cum	305.25	6628.998255
3	<b>BRM045</b>	23.20992	1 Cum.	199.5	4630.37904
4	<b>BRM056</b>	8.4375	1 Cum.	199.5	1683.28125
5	<b>BRM005</b>	5466.125	1000 Nos	0.04025	220.01153125
<b>Total: 19573.53057625</b>					

### ADDITION COMPONENT

Sl.No.	Item Name	Amount (in Rs.)
1	Display Citizen Board @ Rs. 734	Rs. 734
<b>Total Addition Component Amount (in Rs.): 734</b>		

**Total Net Amount (in Rs.): 399999.15718044**