

Analysis

OD/346/3309/116330/393700/00069090 : Repair and maintenance of CRC at Khakadananda under 5th SFC PS

Block : Soro, Gram Panchayat : Singakhunta

Created By: Satyanath Naik

Item 1

Painting (AR0901d): Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sub-Item of Work

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	159.03	124.234236	0
LR048 : Painter/ Polisher	0.5	Per day	612	306	0
LR001 : Male mulia	0.5	Per day	462	231	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	0.24787	0.193636044	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.7812	1 Ltr	0	0	0

Total Amount (a+b+c)

661.427872044

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

49.6070904033

CONTRACTOR PROFIT @ 7.5% (+)

53.327622183548

LABOUR CESS @ 1% (+)

7.6436258463085

Grand Total

772.00621047716

Say For Unit 1 (Grand Total/9.3)

83.011420481415

Item 2

Painting (AR0901di): Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sub-Item of Work

Priming one coat with outer surface primer of approved quality water-bound primer over plastering surfaces(outer surface)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	159.03	133.5852	0
LR048 : Painter/ Polisher	0.5	Per day	612	306	0
LR001 : Male mulia	0.5	Per day	462	231	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	0.24787	0.2082108	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM253 : Wall cement primer (I.S.I.) Water bound	0.84	1 Ltr	0	0	0

Total Amount (a+b+c)

670.7934108

Total GST (a)

0

OVERHEAD CHARGES @ 7.5% (+)

50.30950581

CONTRACTOR PROFIT @ 7.5% (+)

54.08271874575

LABOUR CESS @ 1% (+)

7.7518563535575

Grand Total

782.93749170931

Say For Unit 1 (Grand Total/9.3)

84.186827065517

Item 3

Painting (AR0901ak): Priming one coat in inner surface with primer of approved quality over woodwork including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge(For repair and maintenance).

Sub-Item of Work

Priming one coat in inner surface with primer of approved quality over woodwork(For repair and maintenance).

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR048 : Painter/ Polisher	0.51	Per day	612	312.12	0
BRM138 : Wood Primer	0.6975	1 Litre	155.08	108.1683	0
LR001 : Male mulia	0.51	Per day	462	235.62	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM138 : Wood Primer	0.6975	1 Litre	0.24787	0.172889325	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM138 : Wood Primer	0.6975	1 Litre	0	0	0

Total Amount (a+b+c)	656.081189325				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	49.206089199375				
CONTRACTOR PROFIT @ 7.5% (+)	52.896545889328				
LABOUR CESS @ 1% (+)	7.581838244137				
Grand Total	765.76566265784				
Say For Unit 1 (Grand Total/9.3)	82.340393834176				

Item 4

miscellaneous (ARM122): Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

Sub-Item of Work

Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting) and as directed by Engineer-in-Charge.

a) Specific Rate Details						
Particular	Quantity	Unit	Rate	Amount	GST	
BRMM122 : Scraping old paint with scrapers, sand papering and washing with soap water or soda including scaffolding charges upto 5M height (Painting)	1	Sqm	5.12	5.12	0	

Total Amount (a+b+c)	5.12					
Total GST (a)	0					
Grand Total	765.76566265784					
Say For Unit 1 (Grand Total/1)	765.76566265784					

Item 5

Painting (AR0920): Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

Sub-Item of Work

Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

a) Specific Rate Details						
Particular	Quantity	Unit	Rate	Amount	GST	
BRM140 : Plastic Emulsion paint	1.25	1 Litre	249.34	311.675	0	
LR048 : Painter/ Polisher	0.54	Per day	612	330.48	0	
LR001 : Male mulia	0.64	Per day	462	295.68	0	

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0.24787	0.3098375	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM140 : Plastic Emulsion paint	1.25	1 Litre	0	0	0

Total Amount (a+b+c)	938.1448375				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	70.3608628125				
CONTRACTOR PROFIT @ 7.5% (+)	75.637927523437				
LABOUR CESS @ 1% (+)	10.841436278359				
Grand Total	1094.9850641143				
Say For Unit 1 (Grand Total/10)	109.49850641143				

Item 6
Painting (AR0918f): Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work to give an even shade including all costs of labour, Paint, Brushes, and putty required for the work, etc. complete and as per direction of Engineer-in-charge. (Outside)
Sub-Item of Work Finishing wall with two coat weather coat paint of approved shade in the outer surface of old work(Outside)

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	194.79	243.4875	0
LR001 : Male mulia	0.64	Per day	462	295.68	0
LR048 : Painter/ Polisher	0.54	Per day	612	330.48	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0.24787	0.3098375	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM255 : Weather Coat (I.S.I.)	1.25	1 Ltr	0	0	0

Total Amount (a+b+c)	869.9573375				
Total GST (a)	0				
OVERHEAD CHARGES @ 7.5% (+)	65.2468003125				
CONTRACTOR PROFIT @ 7.5% (+)	70.140310335937				

LABOUR CESS @ 1% (+)	10.053444481484
Grand Total	1015.3978926299
Say For Unit 1 (Grand Total/10)	101.53978926299

Item 7

Painting (AR0905): Painting two coats of enamel paint on old wood work in inner surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Inside)

Sub-Item of Work

Painting two coats of enamel on old wood work in inner surface paint

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR048 : Painter/ Polisher	1.25	Per day	612	765	0
LR001 : Male mulia	1.1	Per day	462	508.2	0
BRM141 : Enamel paint	1.1625	1 Litre	205.34	238.70775	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0.24787	0.288148875	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM141 : Enamel paint	1.1625	1 Litre	0	0	0

Total Amount (a+b+c)	1512.195898875
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	113.41469241562
CONTRACTOR PROFIT @ 7.5% (+)	121.9207943468
LABOUR CESS @ 1% (+)	17.475313856374
Grand Total	1765.0066994938
Say For Unit 1 (Grand Total/9.3)	189.78566661224

Item 8

Other Building Items. (AR1907): Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778,as windows frame, section No. 4095,4096 and 9777, 3994 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge.

Sub-Item of Work

aluminum sliding window (sliding type)

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRMMR0005 : Handel with lock	2	Each	40	80	0
LR001 : Male mulia	1.5	Per day	462	693	0
LR011 : Helper to carpenter or Blacksmith/ Painter/ Blaster/Plumber/ Electrician/ Fitter/Welder	1.5	Per day	512	768	0
LR028 : Fitter	0.5	Per day	562	281	0
LR045 : Carpenter	0.5	Per day	612	306	0
BRM271 : Black glass (I.S.I.) 5mm	1.64	Sqm	705.01	1156.2164	0
BRMMR0008 : Hire charges of drills machine	1	Day	100	100	0
BRMMR0013 : Al. wheel runner	8	Each	25	200	0
BRMMR0012 : Window pile	7.5	Mtr	10	75	0
BRMMR0011 : U rubber beading	9.75	Mtr	15	146.25	0
BRMMR0010 : Al. Screws of different sizes	1	L.S.	30	30	0
BRMMR0009 : PVC Plug	8	Each	1.5	12	0
BRM304 : Aluminium extruded section	7.6482	kg	297.97	2278.934154	0

Total Amount (a+b+c)	6126.400554
Total GST (a)	0
OVERHEAD CHARGES @ 7.5% (+)	459.48004155
CONTRACTOR PROFIT @ 7.5% (+)	493.94104466625
LABOUR CESS @ 1% (+)	70.798216402163
Grand Total	7150.6198566184
Say For Unit 1 (Grand Total/1.49)	4799.0737292741

Item 9
Dismantling (AR1612): Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead and as per direction of Engineer-in-Charge.
Sub-Item of Work Dismantling and removing 2.5 cm. thick artificial stone flooring

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.25	Per day	462	577.5	0
LR001 : Male mulia	0.75	Per day	462	346.5	0
Total Amount (a+b+c)				924	
Total GST (a)				0	
OVERHEAD CHARGES @ 7.5% (+)				69.3	

CONTRACTOR PROFIT @ 7.5% (+)	74.4975
LABOUR CESS @ 1% (+)	10.677975
Grand Total	1078.475475
Say For Unit 1 (Grand Total/9.3)	115.96510483871

Item 10

Concrete (AR0307): 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 specification and direction of Engineer-in charge.

Sub-Item of Work

Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
LR002 : Female mulia	1.4	Per day	462	646.8	0
LR001 : Male mulia	3.2	Per day	462	1478.4	0
LR025 : Mason	0.68	Per day	562	382.16	0
BRM340 : Cement	3.23	1 Qntl.	537.2	1735.156	312.32808
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	76.88	34.596	0
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	1 Cum.	1396.62	1256.958	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	24.787	80.06201	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	953.91	429.2595	0
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	1 Cum.	341.11	306.999	0

c) Royalty Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM340 : Cement	3.23	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.45	1 Cum	442.25	199.0125	0

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	1 Cum.	552.5	497.25	0
Total Amount (a+b+c)	7046.65301				
Total GST (a)	312.32808				
OVERHEAD CHARGES @ 7.5% (+)	551.92358175				
CONTRACTOR PROFIT @ 7.5% (+)	593.31785038125				
LABOUR CESS @ 1% (+)	85.042225221312				
Grand Total	8589.2647473526				
Say For Unit 1 (Grand Total/1)	8589.2647473526				

Item 11

Other Building Items. (AR1901Ba): Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.

Sub-Item of Work
Vitrified Tile 600mmx600mm Coloured /Printed

a) Specific Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sq.m.	695.76	6957.6	0
BRM174 : White Cement.	0.076	1Qntl	2017.18	153.30568	0
BRM340 : Cement	1.074	1 Qntl.	537.2	576.9528	103.851504
BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	76.88	16.1448	0
LR001 : Male mulia	2.16	Per day	462	997.92	0
LR044 : Mason	2.16	Per day	612	1321.92	0

b) Carriage Rate Details

Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sq.m.	9.6011111	96.011111	0
BRM174 : White Cement.	0.076	1Qntl	24.787	1.883812	0
BRM340 : Cement	1.074	1 Qntl.	24.787	26.621238	0
BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	953.91	200.3211	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sqm.	0	0	0
BRM174 : White Cement.	0.076	1Qntl	0	0	0
BRM340 : Cement	1.074	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.21	1 Cum	442.25	92.8725	0

Total Amount (a+b+c)	10441.553041
Total GST (a)	103.851504
OVERHEAD CHARGES @ 7.5% (+)	790.905340875
CONTRACTOR PROFIT @ 7.5% (+)	850.22324144062
LABOUR CESS @ 1% (+)	121.86533127316
Grand Total	12308.398458589
Say For Unit 1 (Grand Total/10)	1230.8398458589

Item 12

Flooring (AR0817ab): Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.

Sub-Item of Work

Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)

a) Specific Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B la) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sqm.	695.76	6957.6	0
BRMMR0027 : Wax Polish	10	1 Sqm	8.5	85	0
LR044 : Mason	3.25	Per day	612	1989	0
LR001 : Male mulia	3.25	Per day	462	1501.5	0
LR008 : Sangi mulia	7.6	Per day	512	3891.2	0
BRM340 : Cement	1.375	1 Qntl.	537.2	738.65	132.957
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	76.88	11.532	0

b) Carriage Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sqm.	9.6011111	96.011111	0
BRM340 : Cement	1.375	1 Qntl.	24.787	34.082125	0
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	953.91	143.0865	0

c) Royalty Rate Details					
Particular	Quantity	Unit	Rate	Amount	GST
BRM132 : Tiles up to Polished Vitrified floor tiles of premium grade having thickness 8 mm to 10mm confirming to IS 15622:2006 (Group-B Ia) of sizes Vitrified Tile 600mmx600mm Coloured / Printed series(Homogeneous)	10	1 Sqm.	0	0	0
BRM340 : Cement	1.375	1 Qntl.	0	0	0
BRM028 : Screened and washed sharp sand for mortar	0.15	1 Cum	442.25	66.3375	0

Total Amount (a+b+c)	15513.999236
Total GST (a)	132.957
OVERHEAD CHARGES @ 7.5% (+)	1173.5217177
CONTRACTOR PROFIT @ 7.5% (+)	1261.5358465275
LABOUR CESS @ 1% (+)	180.82013800227
Grand Total	18262.83393823
Say For Unit 1 (Grand Total/10)	1826.283393823

Chandra Sekhar Mohapatra
JE
Soro Block

Nirmala Kanta Parida
AEE
Soro Block

Satyanath Naik
BDO
Soro Block