

OFFICE OF THE MUNICIPAL CORPORATION JAGDALPUR,

DIST. - BASTAR (C.G.)

TECHNICAL SANCTION

NAME OF THE WORK :- CONSTRUCTION OF DOME SHED NEAR
DANTESHWARI MANDIR JAGDALPUR ward no. 09

SOR USED :- PWD BUILDING 01.01.2015 & NON SOR ITEM

WARD NO. :- 09

PART "A" AMOUNT RS = 8.22 LACS

PART "B" AMOUNT RS = 11.78 LACS.

ESTIMATED AMOUNT :- Rs. 20.00 LAKH 20.00 LACS.

TS. NO.

416 DATE:- 12/03/2026

THIS ESTIMATE IS TECHNICALLY APPROVED FOR Rs. Rs. 20.00 LAKH

Sub Engineer
Municipal Corporation
JAGDALPUR (C.G.)

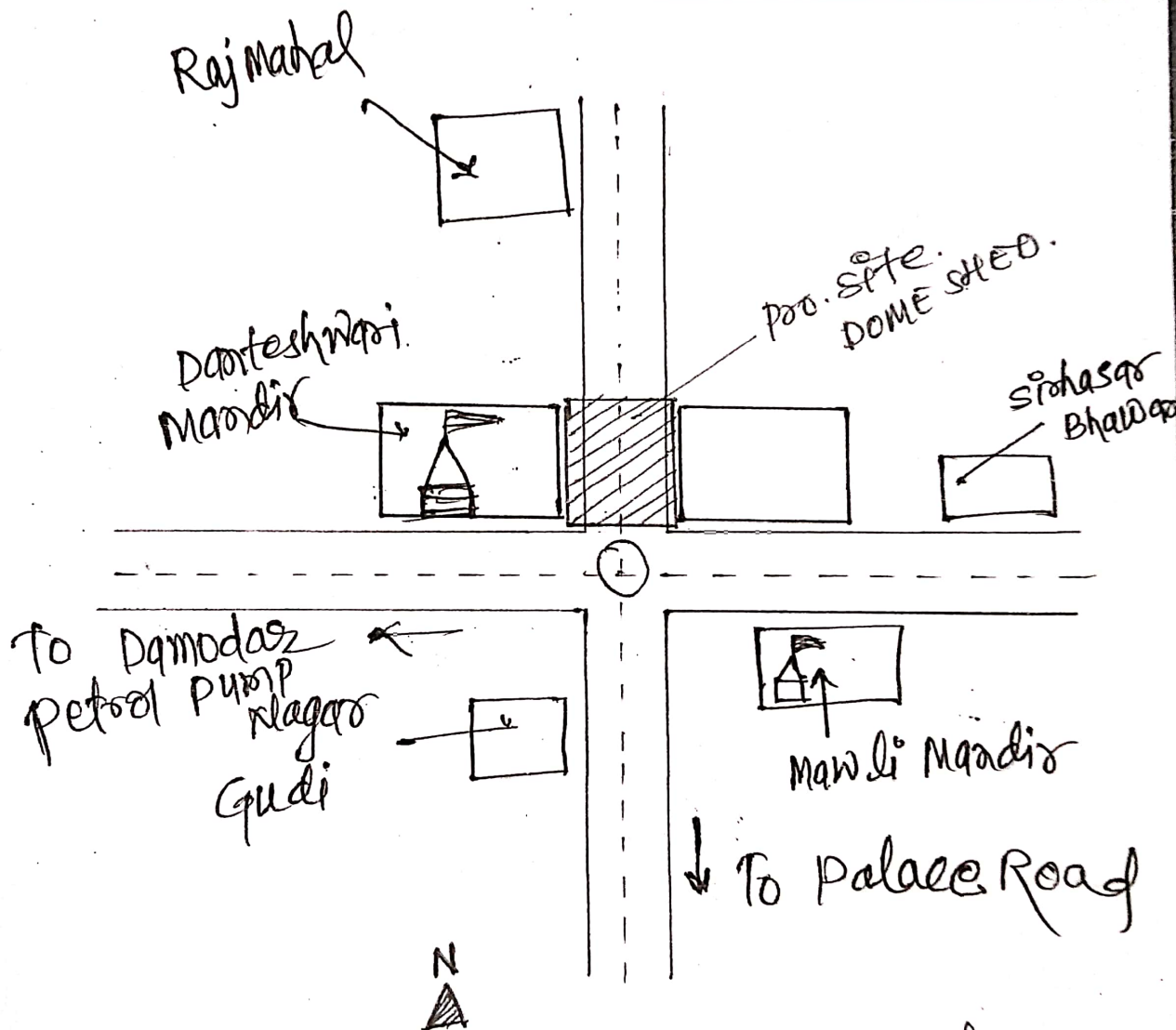
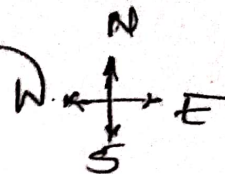
Assistant Engineer
Municipal Corporation
JAGDALPUR (C.G.)

Executive Engineer
Municipal Corporation
JAGDALPUR (C.G.)



OFFICE OF THE MUNICIPAL CORPORATION JAGDALPUR (C.G.)
LOCATION PLAN

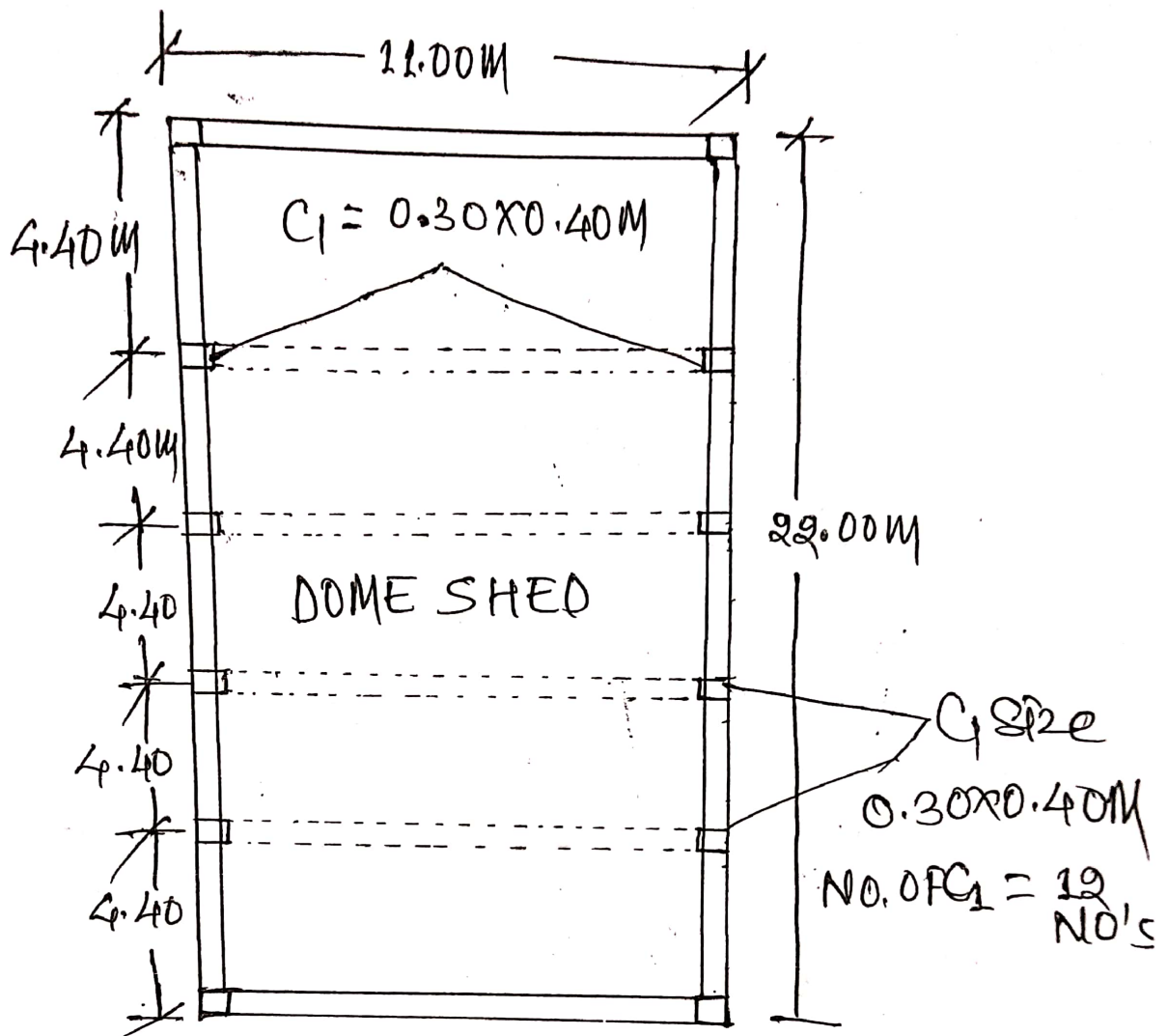
NAME OF THE WORK :- CONSTRUCTION OF DOME SHED NEAR
DANTESHWARI MANDIR JAGDALPUR
WARD NO. :-
ESTIMATED AMOUNT :- Rs. Rs. 20.00 LAKH





SUB ENGINEER
NAGAR PALIK NIGAM
JAGDALPUR (C.G.)


ASTT. ENGINEER
NAGAR PALIK NIGAM
JAGDALPUR (C.G.)

OFFICE OF THE MUNICIPAL CORPORATION
JAGDALPUR, BASTAR.



Construction of Dome shed Near to or
Front of Danteshwari Mandir Jagdalpur


Sub-Engineer
Municipal Corporation
JAGDALPUR (C.G.)


Assistant Engineer
Municipal Corporation
JAGDALPUR (C.G.)

ABSTRACT

Name of Work **CONSTRUCTION OF SELF SUPPORTED DOME NEAR DANTESHWARI MANDIR** (Part A)
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	16.43	Demolishing cement concrete including disposal of material within 50 metre lead.				
	13.2	1:3:6 or richer mix	cum	12.8	549.00	7,027.20
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.				
	1.1	In all types of soils.	cum	46.9	185.00	8,676.50
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum	5.40	371.00	2,003.40
4	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	cum	17.28	242.00	4,181.76
5	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:				
	1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	sqm	51.12	139.00	7,105.68
	1.5	Columns, Pillars, Piers and likes- rectangular or square in shape	sqm	134.4	297.00	39,916.80
	1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	sqm	30.4	235.00	7,144.00
	1.8	Beams, lintels, cantilevers & walls	sqm	8.00	202.00	1,616.00
6	2.2	Extra for additional height every 1m or part thereof where height of staging for form work exceeds 4.0 metre with adequate bracing, propping etc at all levels, for suspended floor, roof, landing, beam and balcony. (only plan area is to be measured):	sqm	97.6	40.50	3,952.80
7	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	cum	3.9	2659.00	10,370.10
8	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.				
	2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	cum	27.62	4163.00	114,982.06
9	3.4	Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum	5.76	97.50	561.60
10	3.12	Providing and placing in position reinforcement for R.C.C. work including				

REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:				
12.2	Thermo-Mechanically treated bars FE 500D	kg	2209.60	54.50	120,423.20
11	7.5 Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:				
	5.4 Cement Mortar 1:6 (1 cement : 6 coarse sand)	cum	2.4	3263.00	7,831.20
12	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	cum	2.4	121.00	290.40
13	9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.	Kg	5718.76	66.00	377,438.16
14	9.6 Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.				
	6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	Kg	100	68.00	6,800.00
15	10.16 Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :				
	16.1 Ridges plain (500-600mm)	metre	50.00	552.00	27,600.00
16	11.1 Providing and making 6mm thick cement plaster of mix:				
	1.2 In Cement mortar 1:4 (1 cement : 4 fine sand)	sqm	159.4	87.00	13,867.80
17	11.2 Providing and making 12mm thick cement plaster of mix:				
	2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	15.00	91.50	1,372.50
18	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:				
	3.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)	sqm	15.00	107.00	1,605.00
19	12.57 25mm thick Local RAJIM/ Red Flag stone slab in riser of steps, skirting, dado and pillars laid on 12mm (Average) thick cement mortar 1:4 (1 cement : 4 coarse sand) and joint with grey cement slurry mixed with pigments to match the shade of the slab i/c grinding, rubbing and polishing.	sqm	40.32	595.00	23,990.40
20	14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	sqm	180.00	94.50	17,010.00
21	14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:				
	15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	sqm	180.00	56.00	10,080.00
22	14.22 Painting on new work (two or more coats) to give an even shade with:				
	22.1 Satin synthetic enamel paint	sqm	100.00	55.00	5,500.00

As per Estimate Amount Rs. 821346.56

say Rs. = 8.22 Lacs

Sub-Engineer
Municipal Corporation
JAGDALPUR (C.G.)

Assistant Engineer
Municipal Corporation
JAGDALPUR (C.G.)

Executive Engineer
Municipal Corporation
JAGDALPUR (C.G.)

Pg. 2

ABSTRACT


Name of Work **DOME (PART B)**

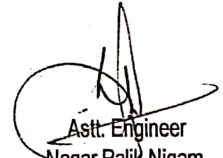
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]


S.N	REF	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	NS-19	Supply & fixing & erection/ excavation of full arch S/5 Self supporting roof system made of polymer precoated galvalume sheets (PPGS) of approved shape & thickness, of the place where this PPGS is placed. total coated thickness (TCT) 1.10 mm+/- 5%, epoxy primer on both sides of the sheet and colour polyester top coat 18-20 microns and 6-7 microns on bottom, coil width 912 mm, tolerance +/- 4 mm ALZ 150 gms, 350: tensile strength. sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation & should be supplied in rolled form which will be then hydraulically pressed to give desire pitch, corrugation & shape and moulded on site to give desired length as per drawings and design given by EIC. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x55 mm) with EPDM seal or with polymer coated J OR L hooks, bolts and nuts of minimum 8 mm dia. with bitumen and G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces including cutting, hoisting, fixing in position upto a height of 7m above plinth level, screw, welding, nuts & bolting including cutting to size and shape wherever required.	sqm	310.00	3800.00	1,178,000.00

As per Estimate Amount Rs. 1178000.00

SAY RS. - 11.78 Lacs


Sub Engineer
Nagar Palik Nigam,
Jagdalpur


Asst. Engineer
Nagar Palik Nigam,
Jagdalpur


Executive Engineer
Nagar Palik Nigam,
Jagdalpur

DETAILED ESTIMATE

Name of Work : CONSTRUCTION OF SELF SUPPORTED DOME NEAR DANTESHWARI MANDIR (Part A)
As per SOR : SCHEDULE OF RATES PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	16.43	Demolishing cement concrete including disposal of material within 50 metre lead.								
	43.2	1:3:6 or richer mix								
		-DOME AREA	12	2.00	2.00	0.20	9.60			
		-DOME AREA P.B.	2	20.00	0.40	0.20	3.20			
						Total	12.80	cum	549.00	7027.20
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1	In all types of soils.								
		-dome colum	12	1.50	1.50	1.50	40.50			
		-p.b	2	20.00	0.40	0.40	6.40			
						Total	46.90	cum	185.00	8676.50
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	12	1.50	1.50	0.20	5.40	cum	371.00	2003.40
4	1.19	Providing filling and compacting local earth (from approved source pit) in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	12	1.20	1.00	1.20	17.28	cum	242.00	4181.76

REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
		12	1.40		0.70	11.76			
		2X2	20.00		0.30	24.00			
		12X4	0.80		0.40	15.36			
					Total	51.12	sqm	139.00	7105.68
1.5	Columns, Pillars, Piers and likes- rectangular or square in shape								
		12	1.40		8.00	134.40			
					Total	134.40	sqm	297.00	39916.80
1.7	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)								
		2	20.00	0.50		20.00			
		2x2	20.00		0.13	10.40			
					Total	30.40	sqm	235.00	7144.00
1.8	Beams, lintels, cantilevers & walls	2	20.00		0.20	8.00	sqm	202.00	1616.00
6	2.2 Extra for additional height every 1m or part thereof where height of staging for form work exceeds 4.0 metre with adequate bracing, propping etc at all levels, for suspended floor, roof, landing, beam and balcony. (only plan area is to be measured):								
		12	1.40		4.00	67.20			
		2	20.00	0.50		20.00			
		2x2	20.00		0.13	10.40			
					Total	97.60	sqm	40.50	3952.80
7	3.1 Providing and laying nominal mix plain cement concrete with crushed stone aggregate using								

REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	concrete mixer in all works upto plinth level excluding cost of form work.								
1.2	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).								
		12	1.50	1.50	0.10	2.70			
		2	20.00	0.30	0.10	1.20			
					Total	3.90	cum	2659.00	10370.10
8	3.2 Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	2.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		12	1.50	1.50	0.20	5.40			
		12	0.80	0.80	0.30	2.30			
	-UPTO PLINTH	12	0.30	0.40	0.70	1.00			
		12	0.30	0.40	8.00	11.52			
		2	20.00	0.50	0.13	2.60			
	-P.B	2	20.00	0.30	0.40	4.80			
					Total	27.62	cum	4163.00	114982.06
9	3.4 Extra for laying PCC/RCC of any grade in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:	12	0.30	0.40	4.00	5.76	cum	97.50	561.60
10	3.12 Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	12.2 Thermo-Mechanically treated bars FE 500D	27.62			80.00	2209.60	kg	54.50	120423.20
11	7.5 Brick work with modular								

REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)								
		2	20.00	0.20	0.30	2.40			
12	7.6 Extra for brick work in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:				Total	2.40	cum	3263.00	7831.20
		2	20.00	0.20	0.30	2.40			
13	9.2 Structural steel work riveted or bolted or welded in built-up sections, trusses and frames work upto a height of 5m above plinth level, including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.				Total	2.40	cum	121.00	290.40
	-ISMB 250 MM	2	22.00		37.30	1641.20			
	-BASE PLATE 16 MM THICK	2X12	0.30	0.40	125.60	361.72			
	-STEEL PLATE 8 MM THICK	2	22.00	0.70	63.00	1940.40			
	-J BOLT	12	6.00	1.20	1.60	138.24			
	-ISA 65X65X5 MM ANGLE	2X4	22.00		4.90	862.40			
	-ISA 35X35X5 MM	4X60	0.40		2.60	249.60			
		4X65	0.50		2.60	338.00			
		4X60	0.30		2.60	187.20			
					Total	5718.76	Kg	66.00	377438.16
14	9.6 Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of red oxide zinc chromate primer.								
	6.2 In gratings, frames, guard bar, ladder, railings, brackets, gates and similar								

REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
	works.								
		100				100.00			
15/10.16	Providing and fixing pre-coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :				Total	100.00	Kg	68.00	6800.00
	16.1 Ridges plain (500-600mm)	2	25.00			50.00	metre	552.00	27600.00
16	11.1 Providing and making 6mm thick cement plaster of mix:								
	1.2 In Cement mortar 1:4 (1 cement : 4 fine sand)								
		12	1.40		8.00	134.40			
		2	25.00	0.50		25.00			
					Total	159.40	sqm	87.00	13867.80
17	11.2 Providing and making 12mm thick cement plaster of mix:								
	2.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)	2	25.00		0.30	15.00	sqm	91.50	1372.50
18	11.3 Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	3.4 In Cement Mortar 1:6 (1 cement : 6 fine sand)	2	25.00		0.30	15.00	sqm	107.00	1605.00
19/12.57	25mm thick Local RAJIM/ Red Flag stone slab in riser of steps, skirting, dado and pillars laid on 12mm (Average) thick cement mortar 1:4 (1 cement : 4 coarse sand) and joint with grey cement slurry mixed with pigments to match	12	1.40		2.40	40.32	sqm	595.00	23990.40

ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
the shade of the slab i/c grinding, rubbing and polishing.								
20/14.13 Providing and applying 2mm thick ready mix exterior grade approved make putty (like Birla wall care, Alltek Superfine W/R of (NCL), Asian, ICI, Nerolac, J.K. wall putty) on walls to make the surface smooth and even.	180				180.00	sqm	94.50	17010.00
21/14.15 Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
15.1 On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	180				180.00	sqm	56.00	10080.00
22/14.22 Painting on new work (two or more coats) to give an even shade with:								
22.1 Satin synthetic enamel paint	100				100.00	sqm	55.00	5500.00
77.2 Double "Y" with or without door								

As per Estimate Amount Rs. 821346.56

Say Rs. 8.22 Lakhs

Sub Engineer
Nagar Palik Nigam,
Jagdalpur

Asst. Engineer
Nagar Palik Nigam,
Jagdalpur

Executive Engineer
Nagar Palik Nigam,
Jagdalpur

Name of Work : DOME (PART B)
As per SOR : SCHEDULE OF RATES

DETAILED ESTIMATE

PUBLIC WORKS DEPARTMENT [PWD BUILDING-01.01.2015]

SN	REF	ITEM DESCRIPTION	N	L	B	H/D	QTY	UNIT	RATE	AMOUNT
1	NS-19	Supply & fixing & erection/ excavation of full arch S/5 Self supporting roof system made of polymer precoated galvalume sheets (PPGS) of approved shape & thickness, of the place where this PPGS is placed. total coated thickness (TCT) 1.10 mm+/- 5%, epoxy primer on both sides of the sheet and colour polyster top coat 18-20 microns and 6-7 microns on bottom, coil width 912 mm, tolerence +/- 4 mm ALZ 150 gms, 350: tensile strength. sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation & should be supplied in rolled form which will be then hydraulically pressed to give desire pitch, corrugation & shape and moulded on site to give desired length as per drawings and design given by EIC. The sheet shall be fixed using self drilling / self tapping screws of size (5.5x55 mm) with EPDM seal or with polymer coated J OR L hooks, bolts and nuts of minimum 8 mm dia. with bitumen and G.I. limpet washers filled with white lead complete upto any pitch in horizontal/	1	20.00	15.50		310.00	sqm	3800.00	1178000.00



ITEM DESCRIPTION

vertical or curved surfaces including cutting, hoisting, fixing in position upto a height of 5m above plinth level, screw, welding, nuts & bolting including cutting to size and shape wherever required.

N

L

B

H/D

QTY

UNIT

RATE


AMOUNT

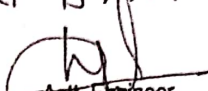
As per Estimate Amount Rs.

1178000.00

Say Rs.

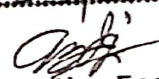
PART 'A' AMOUNT RS. = 8.22 Lacs
 PART 'B' AMOUNT RS. = 11.78 Lacs
 SAY RS. = 20.00 LACS


 Sub Engineer
 Nagar Palik Nigam,
 Jagdalpur


 Asst. Engineer
 Nagar Palik Nigam,
 Jagdalpur

Executive Engineer
 Nagar Palik Nigam,
 Jagdalpur

TS for Rs. 20.00 Lacs
 BST No. 416
 Date 29/03/2026


 Executive Engineer
 Municipal Corporation
 JAGDALPUR