

ગાંધી મેમ્બરશીપ (ફી) સર્વિસ ગ્રાન્ટ સર્વિસ પ્રદાનમાં
સરકારી કાર્યકરોના માટેના સર્વિસ ગ્રાન્ટ
સેમીનર નં 1

Schedule XLV-Form No. 134

Agreement No. 134-SB/D/2020-21
DIVISION

SUB-DIVISION

Executive Engineer
RWD Works Division
Bhavnagar

Measurement Book

M/s R.S. Construction.

(411)

Block - Kumbhachapur

Name of Work-

Situation of Work-

Agency by which work is executed-

Date of Measurement-

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work :- Construction of road with 5 year maintenance from Baghari Pradhan mantri Sadak to Pandey Tola Paswan Tola Nanpur Siman rak Path, under mmbsy (SC) Scheme.					

Agency :- M/S R.S Construction
 Agreement no :- 134 SBD/2020-21

Date of start :- 25.03.2021

Date of completion :- 24.03.2022

Date of measurement :- 9.08.21

(1) cleaning and grubbing road land (By manual means)

$$2 \times 4400.0 \text{ m} \times 3.50 \text{ m} = 30800.0 \text{ m}^2$$

$$\approx 3.08 \text{ Ha}$$

(2) Providing and fixing of working benchmark

(i) working benchmark.
 Pillar = 4.40 km

(ii) Reference pillars - -
 = 4.40 km

Continuation

[illegible]

1st and final bill ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
①/① Providing and fixing of working benchmark					
Qty. vide TMBP ①					
Item no:- ②(i) = 4.40 km					
@ Rs 4063.57/km					Rs 17879 = ∞
②/② Reference pillars					
Qty. vide TMBP ①					
Item no:- ②(ii) = 4.40 km					
@ Rs 1878.75/km					Rs 8266 = ∞
③/③ Clearing and grubbing road land (By manual means)					
Qty. vide TMBP ①					
Item no:- ① = 3.08 Ha					
@ Rs 49496.70/Ha					Rs 152449 = ∞
④/④ Excavation for road- way in soil using manual means					
Qty. vide TMBP ①					
Item no:- ① = 50.82 m ³					
Qty. vide TMBP ②					
Item no:- ① = 23.785 m ³					
Qty. vide TMBP ③					
Item no:- ① = 29.95 m ³					
				104.555 m ³	
@ Rs 74.10/m ³					Rs 77447 = ∞
					Rs 186241 = ∞

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5) Construction for embankment with material obtained from 100.0m lead					
Qty. vide TMBP (34)					
Item no :- (16) (i) = 1449.0m ²					
@ Rs 175.11/m ²					Rs 253734 = ∞
6) 100.0m lead					
Qty. vide TMBP (34)					
Item no :- (16) (ii) = 1650.0m ²					
@ Rs 138.27/m ²					Rs 228145 = ∞
7) Construction of Subgrade and Earthen shoulders with approved material					
Qty. vide TMBP (35)					
Item no :- (16) (iii) = 7798.59m ²					
@ Rs 176.75/m ²					Rs 1378400 = ∞
8) Construction of granular sub grade by providing -					
Qty. vide TMBP (13)					
Item no :- (1) = 1920.84m ²					
Qty. vide TMBP (13)					
Item no :- (2) = 152.285m ²					
Qty. vide TMBP (15)					
Item no :- (2) = 255.635m ²					
					2328.76m ²
@ Rs 3032.22/m ²					Rs 7061312 = ∞

C/O Rs 9107932 = ∞

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ Providing, laying, spreading and compacting — msm gr3					
Qty. vide TMBP (14)					
Item no: — (9) =					468.226 m ²
Qty. vide TMBP (17)					
Item no: — (6) =					441.581 m ²
					909.807 m ²
Limit Qty. = 909.00 m ²					
@ R-3686.76/m ²					R-3351264=00
⑩ Providing and applying primer coat with bitumen emulsion (SS-4) —					
Qty. vide TMBP (18)					
Item no: — (9) =					12120.00 m ²
@ R-41.14/m ²					R-498116=00
⑪ Providing and applying face coat with bit- umen emulsion (RS-4) —					
Qty. vide TMBP (18)					
Item no: — (2) =					12120.00 m ²
@ R-13.95/m ²					R-169074=00
⑫ Providing, laying and rolling of close graded premix —					
Qty. vide TMBP (18)					
Item no: — (3) =					12120.00 m ²
@ R-208.19/m ²					R-2523262=00

Continuation

C/O R-15650148=00

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B/F Rs 15650148=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13) Construction of granular sub base by providing —					
Qty. vide TMBP (19)					
Item no:- (2) =				38.85 m ²	
Qty. vide TMBP (21)					
Item no:- (2) =				56.355 m ²	
Qty. vide TMBP (28)					
Item no:- (2) =				21.10 m ²	
Qty. vide TMBP (26)					
Item no:- (1) =				12.02 m ²	
				128.325 m ²	
Limit Qty. =				124.50 m ²	
@ Rs 3032.22/m ²					Rs 377511=00
14) Providing, laying spreading and compacting stone —					
wB mgs (20)					
Qty. vide TMBP (20) Jagab					
Item no:- (1) =				58.95 m ²	
Qty. vide TMBP (22)					
Item no:- (3) =				43.77 m ²	
Qty. vide TMBP (26)					
Item no:- (3) =				9.765 m ²	
Qty. vide TMBP (25)					
Item no:- (3) =				24.78 m ²	
				137.265 m ²	
Limit Qty. 135.84 m ²					
@ Rs 3686.76/m ²					Rs 500809=00
Continuation					
C/O					Rs 16528468=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Construction of unreinforced plain cement concrete pavement					
Qty. wide T m B P (23)					
Item no:- (01) =					184.68 m ²
Qty. wide T m B P (24)					
Item no:- (01) =					213.885 m ²
Qty. wide T m B P (26)					
Item no:- (01) =					92.83 m ²
Qty. wide T m B P (27)					
Item no:- (01) =					36.33 m ²
					527.725 m ²
@ Rs 7575.36/m					Sagub
Limit Qty. =					519.30 m ²
@ Rs 7575.36/m ²					Rs 3932884=00
(16) Reinforced cement concrete misgrade kilometre					
Qty. wide T m B P (27)					
Item no:- (3) =					5 nos.
@ Rs 2398.42/No.					Rs 11992=00
(17) 200m Stone					
Qty. wide T m B P (27)					
Item no:- (4) =					18 nos.
@ Rs 638.28/No.					Rs 11489=00
					C/o Rs 20485833=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) Reinforced Cement Concrete MIS grade boundary pillars —					
Qty. vide TMBP (27)					
Item no. — (5) = 8 nos.					
@ Rs 502.15 / no.					Rs 40172 = 00
(19) Providing and fixing of retro reflective Cautionary —					
Qty. vide TMBP (27)					
Item no. — (06) = 8 nos.					
@ Rs 4857.47 / No.					Rs 38835 = 00
(20) 900mm equilateral and triangle					
Qty. vide TMBP (28)					
Item no. (28) = 1 nos.					
@ Rs 2501.08 / No.					Rs 2501.08 = 00
900mm x 900mm equilateral					
Qty. vide TMBP (28)					
Item no. (28) = 1 nos.					
@ Rs 2501.08 / No.					Rs 18916 = 00
(21) Providing and laying of bit applied on road surface —					
Qty. vide TMBP (28)					
Item no. (28) = 1 nos.					
@ Rs 206057.60 / No.					Rs 206057.60 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMBP (28)					
Item no :- (9) = 640.0m ²					
@ Rs 735.40/m ²					Rs 470656 = 00
23) Providing and laying of hot applied thermoplastic					
Qty. vide TMBP (28)					
Item no :- (10) = 240.0m ²					
@ Rs 820.83/m ²					Rs 196999 = 00
24) Planting of trees by the road side					
Qty. vide TMBP (35)					
Item no :- (17) = 299 nos.					
@ Rs 800.30/no					Rs 239289 = 00
25) Providing and laying of a reinforced cement concrete pipe duct 300mm dia					
Qty. vide TMBP (27)					
Item no :- (2) = 90.0m					
@ Rs 845.34/m					Rs 76080 = 00
26) Providing and erecting direction and place identification					
Qty. vide TMBP (28)					
Item no :- (11) = 1 no.					
@ Rs 3217.04/No.					Rs 3217 = 00
					Rs 21592001 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27) providing and fixing of typical mmbsy informatory sign board -					
Qty. vide TMBP (28)					
Item no: - (12) = 5 nos.					
@ Rs 11007.98/No.					Rs 55039 = 00
(28) Earthwork in excavation for structures as per drawing					
Qty. vide TMBP (2)					
Item no: - (3) = 109.20 m ²					
Qty. vide TMBP (3)					
Item no: - (4) = 109.20 m ²					
Qty. vide TMBP (4)					
Item no: - (5) = 113.57 m ²					
					331.97 m ²
Limit Qty. = 259.95 m ²					
@ Rs 260.59/m ²					Rs 67740 = 00
(29) Sand filling in foundation trenches as per drawing					
Qty. vide TMBP (4)					
Item no: - (2) = 0.485 m ²					
Qty. vide TMBP (5)					
Item no: - (2) = 0.485 m ²					
Qty. vide TMBP (8)					
Item no: - (2) = 0.87 m ²					
					1.84 m ²
@ Rs 449.06/m ²					Rs 826 = 00

Continuation

C/O Rs 21715606 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30) providing pcc MIS					
Concrete for Plain					
Concrete					
Qty. vide TMBP (2)					
Item no:- (4) =					$9.78 m^3$
Qty. vide TMBP (3)					
Item no:- (2) =					$9.78 m^3$
Qty. vide TMBP (4)					
Item no:- (3) =					$0.705 m^3$
Qty. vide TMBP (5)					
Item no:- (3) =					$0.705 m^3$
Qty. vide TMBP (7)					
Item no:- (2) =					$10.22 m^3$
Qty. vide TMBP (8)					
Item no:- (3) =					$1.426 m^3$
					$32.616 m^3$
@ Rs 6021.74/m ³					Rs 196405 = 00
31) Brick masonry work					
in cement mortar					
in foundation					
Qty. vide TMBP (2)					
Item no:- (01) =					$47.19 m^3$
Qty. vide TMBP (3)					
Item no:- (01) =					$47.19 m^3$
Qty. vide TMBP (7)					
Item no:- (01) =					$49.41 m^3$
					$142.79 m^3$
Limit Qty. =					$142.96 m^3$

Continuation

@ Rs 5573.95/m³

Rs 796851 = 00

c/o

Rs 22708862 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
32) Brick masonry work in cement mortar in substructure —					
Qty. vide TMBP (4)					
Item no :- (01) =					23.75 m ²
Qty. vide TMBP (4)					
Item no :- (01) =					23.75 m ²
Qty. vide TMBP (8)					
Item no :- (01) =					15.66 m ²
					63.16 m ²
Limit Qty. =					45.15 m ²
@ Rs 808195/m ²					Rs 262274 = ∞
33) Plain/Reinforced cement concrete (m ²) in substructure —					
Qty. vide TMBP (5)					
Item no :- (2) =					6.72 m ²
Qty. vide TMBP (9)					
Item no :- (2) =					3.26 m ²
Qty. vide TMBP (11)					
Item no :- (4) =					1.580 m ²
					11.66 m ²
@ Rs 6882.48/m ²					Rs 80249 = ∞
34) Providing bitumen painting over top surface of —					
Qty. vide TMBP (9)					
Item no :- (01) =					13.65 m ²
					C/o 13.65 m ²

Continuation

C/o Rs 23051385 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	L.	D.	
				B/F	13.65 m ²
Qty. vide TMBP (6)					
Item no:- (01)					= 27.30 m ²
					40.95 m ²
@ Rs 13.95/m ²					Rs 571=00
(35) providing and laying					
R.C.C in Super-					
Structure					
Qty. vide TMBP (6)					
Item no:- (3)					= 4.914 m ³
Qty. vide TMBP (10)					
Item no:- (5)					= 2.244 m ³
					8.16 m ³
@ Rs 7914.05/m ³					Rs 64578=00
(36) Supplying, fitting					
and placing HYSD					
bar reinforcement					
in Super Structure					
Qty. vide TMBP (5)					
Item no:- (01)					= 489.36 kg
Qty. vide TMBP (6)					
Item no:- (2)					= 609.74 kg
Qty. vide TMBP (8)					
Item no:- (01)					= 275.78 kg
Qty. vide TMBP (9)					
Item no:- (2)					= 321.40 kg
					1706.28 kg
Limit Qty =					13500 kg
Say					1.350 mt

Continuation

@ Rs 54644.14/mt Rs 73769=00
 C/O R223190303=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
37) Brick masonry work in Cement mortar in parapet -					
Qty. vide TMBP (10)					
Item no 1 - (61) = 10.656 m ²					
@ Rs 5486.84 / m ²					Rs 61685 = 00
38) Plastering with Cement mortar 15 mm thick -					
Qty. vide TMBP (11)					
Item no 1 - (9) = 158.25 m ²					
limit Qty. ≤ 154.19 m ²					
@ Rs 178.17 / m ²					Rs 27472 = 00
39) Painting two coats i/c primer coat after filling -					
Qty. vide TMBP (35)					
Item no 1 - (18) = 73.92 m ²					
@ Rs 95.52 / m ²					Rs 7061 = 00
40) Providing weepholes in brick masonry -					
Qty. vide TMBP (16)					
Item no 1 - (2) = 48 nos					
@ Rs 111.80 / no.					Rs 5366 = 00
41) Brick masonry work in C.M in parapet -					
					C/o Rs 23291887 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty. vide TMBP (28)					
Item no: (13) = 3.20 m ²					
Limit Qty. = 3.12 m ²					
@ Rs 5788.81/m ²					Rs 18061 = ∞
42) providing fcc m 20 architectural coping					
Qty. vide TMBP (29)					
Item no: (14) = 16.0 m					
Limit Qty. = 13.0 m					
@ Rs 446.67/m					Rs 5806 = ∞
43) plastering cement mortar on brick work					
Qty. vide TMBP (29)					
Item no: (15) = 24.97 m ²					
Limit Qty. = 21.76 m ²					
@ Rs 178.27/m ²					Rs 3876 = ∞
					Rs 23319630 = ∞
Add 1% L. corr					Rs 233196 = ∞
Add 12% GST					Rs 2798355 = ∞
					Rs 263,51,181 = ∞
Less 10.08% as per agg. (-)					Rs 2893359 = ∞
					Rs 23457822 = ∞
					Sagunb
					5.09.22
					J.E
					A.E.
					C.B.
					06.09.22