

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH  
BURRAH GOTH WINDER**

**DETAIL  
ESTIMATE**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**GENERAL ABSTRACT OF COST**

<b>S.NO</b>	<b>Description</b>	<b>Total PC-1 AMOUNT (Pak Rs.)</b>
<b>A</b>	<b>ROAD WORKS</b>	
1	EARTH WORK	
2	SUB BASE AND BASE COURSE	
3	SURFACE COURSE AND PAVEMENT	
<b>B</b>	<b>STRUCTURES WORKS</b>	
1	RCC Box Culverts	
2	RCC Pipe Culverts	
4	RCC wall	
5	PCC Wall	
7	PCC Side Drain	
8	PCC Parapet Walls	
<b>C</b>	<b>ANCILLARY WORKS</b>	
	<b>SUB TOTAL (A+B+C)</b>	
<b>D</b>	Add 4% BSTS	
	<b>Total Capital Cost. (A to D)</b>	
	<b>Total in (Million)</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH  
BURRAH GOTH WINDER**

**DETAIL OF  
BILL#1  
EARTH WORK**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**  
**Detail Quantities CSR 2023**

S No	Description of items	Unit	Rate	QTY	AMOUNT
<b>BILL No.1: EARTH WORK</b>					
1	Clearing and grubbing (removal) of roots including scarifying natural ground upto 8" (20mm) depth and disposal of roots <b>(S.i.No 21-10 b)</b>	Sqm		14197.78	
2	Preparation and compaction upto 95% modified AASHTO of natural ground upto a depth of 8" (20mm) in ordinary soil <b>(S.i.No 21-10 a)</b>	Sqm		14197.78	
3	Excavation or cutting to a required grade, camber and side slopes including dressing top and sides and disposal of excavated material within a lift of 5ft (1.5m) and lead upto 100 ft. (30m) <b>All Kind of Soil (S.i.No 21-1a)</b>	Cum		129.25	
4	Making earthen embankment with earth taken from approved borrow pits including cost of excavation, placing in layers not exceeding 9" (230mm) in depth including dressing top and sides of the bank within a lift of 5 ft. (1.5m) and lead upto 100 ft. (30m). (Excluding the royalty of Earth, Compaction and its carriage) Compaction of earthen embankments to full depth and width below sub-grade level by mechanical means in layers not exceeding 8" (200mm) in depth at optimum moisture content including watering and mixing by mechanical means. The sub-grade embankments shall be compacted to at least 95% modified AASHTO maximum dry density for their full depth and width.				
	<b>(S.i.No 21-6c+21-9)</b>	Cum		10398.44	
<b>Sub.Total</b>					
<b>Above/ below _____ % Premium if any on CSR 2023</b>					
<b>G.Total</b>					

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**CG & NGC**

Chalnage	Length(m)	Left	Right	Total Width	Average Width	Area
00+000	0.00	3.585	3.613	7.198	0.000	0.000
00+025	25.00	6.376	4.681	11.057	9.128	228.188
00+050	25.00	5.729	5.760	11.489	11.273	281.825
00+075	25.00	5.696	5.505	11.201	11.345	283.625
00+100	25.00	5.310	5.083	10.393	10.797	269.925
00+125	25.00	5.358	4.798	10.156	10.275	256.863
00+150	25.00	5.623	4.933	10.556	10.356	258.900
00+175	25.00	5.137	5.138	10.275	10.416	260.388
00+200	25.00	5.288	5.346	10.634	10.455	261.363
00+225	25.00	5.975	5.330	11.305	10.970	274.238
00+250	25.00	6.701	5.469	12.170	11.738	293.438
00+275	25.00	5.088	5.308	10.396	11.283	282.075
00+300	25.00	4.880	4.278	9.158	9.777	244.425
00+325	25.00	5.231	4.209	9.440	9.299	232.475
00+350	25.00	5.563	5.635	11.198	10.319	257.975
00+375	25.00	6.016	5.508	11.524	11.361	284.025
00+400	25.00	5.880	4.669	10.549	11.037	275.913
00+425	25.00	5.346	5.650	10.996	10.773	269.313
00+450	25.00	4.337	4.547	8.884	9.940	248.500
00+475	25.00	3.712	4.405	8.117	8.501	212.513
00+500	25.00	3.980	3.519	7.499	7.808	195.200
00+525	25.00	4.096	4.327	8.423	7.961	199.025
00+550	25.00	5.246	4.446	9.692	9.058	226.438
00+575	25.00	5.299	5.024	10.323	10.008	250.188
00+600	25.00	5.092	5.561	10.653	10.488	262.200
00+625	25.00	4.904	5.080	9.984	10.319	257.963
00+650	25.00	4.719	4.720	9.439	9.712	242.788
00+675	25.00	4.964	5.562	10.526	9.983	249.563
00+700	25.00	4.893	5.962	10.855	10.691	267.263
00+725	25.00	4.337	4.354	8.691	9.773	244.325
00+750	25.00	4.333	3.713	8.046	8.369	209.213
00+775	25.00	5.017	4.370	9.387	8.717	217.913
00+800	25.00	4.241	4.463	8.704	9.046	226.138
00+825	25.00	4.875	4.046	8.921	8.813	220.313
00+850	25.00	4.858	4.698	9.556	9.239	230.963
00+875	25.00	5.054	4.046	9.100	9.328	233.200
00+900	25.00	4.971	2.744	7.715	8.408	210.188
00+925	25.00	4.823	2.744	7.567	7.641	191.025
00+950	25.00	4.779	2.744	7.523	7.545	188.625
00+975	25.00	4.806	2.744	7.550	7.537	188.413
01+000	25.00	4.705	2.744	7.449	7.500	187.488
01+025	25.00	4.676	2.869	7.545	7.497	187.425
01+050	25.00	5.575	4.453	10.028	8.787	219.663
01+075	25.00	5.904	2.744	8.648	9.338	233.450
01+100	25.00	3.423	3.503	6.926	7.787	194.675
01+125	25.00	4.977	4.837	9.814	8.370	209.250
01+150	25.00	3.751	4.745	8.496	9.155	228.875
01+175	25.00	2.800	4.906	7.706	8.101	202.525
01+200	25.00	3.998	4.889	8.887	8.297	207.413
01+225	25.00	3.965	4.149	8.114	8.501	212.513
01+250	25.00	4.492	4.545	9.037	8.576	214.388
01+275	25.00	4.938	4.893	9.831	9.434	235.850
01+300	25.00	5.554	3.983	9.537	9.684	242.100
01+325	25.00	4.895	3.600	8.495	9.016	225.400
01+350	25.00	4.438	4.653	9.091	8.793	219.825
01+375	25.00	3.680	3.176	6.856	7.974	199.338
						<b>14197.783</b>

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**Earthwork (Cutting & Filling)**

Chainage	Length(m)	Cut Area(Sq.m)	Average of cut Area(Sq.m)	Cut Volume(Cu.m)	Fill Area(Sq.m)	Average of fill Area(Sq.m)	Fill Volume(Cu.m)
00+000	0.00	0.000	0.000	0.000	1.410	0.000	0.000
00+025	25.00	0.000	0.000	0.000	10.960	6.185	154.625
00+050	25.00	0.000	0.000	0.000	10.840	10.900	272.500
00+075	25.00	0.000	0.000	0.000	10.530	10.685	267.125
00+100	25.00	0.000	0.000	0.000	8.810	9.670	241.750
00+125	25.00	0.000	0.000	0.000	8.860	8.835	220.875
00+150	25.00	0.000	0.000	0.000	10.190	9.525	238.125
00+175	25.00	0.000	0.000	0.000	7.830	9.010	225.250
00+200	25.00	0.000	0.000	0.000	8.400	8.115	202.875
00+225	25.00	0.000	0.000	0.000	10.170	9.285	232.125
00+250	25.00	0.000	0.000	0.000	9.610	9.890	247.250
00+275	25.00	0.000	0.000	0.000	5.350	7.480	187.000
00+300	25.00	0.020	0.010	0.250	1.420	3.385	84.625
00+325	25.00	0.000	0.010	0.250	4.080	2.750	68.750
00+350	25.00	0.000	0.000	0.000	10.320	7.200	180.000
00+375	25.00	0.000	0.000	0.000	12.150	11.235	280.875
00+400	25.00	0.000	0.000	0.000	10.420	11.285	282.125
00+425	25.00	0.000	0.000	0.000	9.130	9.775	244.375
00+450	25.00	0.000	0.000	0.000	4.260	6.695	167.375
00+475	25.00	0.000	0.000	0.000	3.170	3.715	92.875
00+500	25.00	0.000	0.000	0.000	1.940	2.555	63.875
00+525	25.00	0.000	0.000	0.000	3.080	2.510	62.750
00+550	25.00	0.000	0.000	0.000	7.830	5.455	136.375
00+575	25.00	0.000	0.000	0.000	9.060	8.445	211.125
00+600	25.00	0.000	0.000	0.000	9.210	9.135	228.375
00+625	25.00	0.000	0.000	0.000	8.090	8.650	216.250
00+650	25.00	0.000	0.000	0.000	5.120	6.605	165.125
00+675	25.00	0.000	0.000	0.000	9.260	7.190	179.750
00+700	25.00	0.000	0.000	0.000	9.610	9.435	235.875
00+725	25.00	0.000	0.000	0.000	5.880	7.745	193.625
00+750	25.00	0.000	0.000	0.000	5.140	5.510	137.750
00+775	25.00	0.000	0.000	0.000	7.320	6.230	155.750
00+800	25.00	0.000	0.000	0.000	7.180	7.250	181.250
00+825	25.00	0.000	0.000	0.000	4.800	5.990	149.750
00+850	25.00	0.000	0.000	0.000	6.880	5.840	146.000
00+875	25.00	0.000	0.000	0.000	7.160	7.020	175.500
00+900	25.00	0.000	0.000	0.000	5.860	6.510	162.750
00+925	25.00	0.000	0.000	0.000	5.570	5.715	142.875
00+950	25.00	0.000	0.000	0.000	4.460	5.015	125.375
00+975	25.00	0.000	0.000	0.000	4.270	4.365	109.125
01+000	25.00	0.990	0.495	12.375	3.920	4.095	102.375
01+025	25.00	0.990	0.990	24.750	3.020	3.470	86.750
01+050	25.00	0.000	0.495	12.375	9.370	6.195	154.875
01+075	25.00	0.000	0.000	0.000	11.070	10.220	255.500
01+100	25.00	1.080	0.540	13.500	0.450	5.760	144.000
01+125	25.00	0.000	0.540	13.500	9.360	4.905	122.625
01+150	25.00	0.000	0.000	0.000	7.750	8.555	213.875
01+175	25.00	1.090	0.545	13.625	3.730	5.740	143.500
01+200	25.00	0.000	0.545	13.625	6.540	5.135	128.375
01+225	25.00	0.000	0.000	0.000	4.930	5.735	143.375
01+250	25.00	0.000	0.000	0.000	6.780	5.855	146.375
01+275	25.00	0.000	0.000	0.000	8.860	7.820	195.500
01+300	25.00	0.000	0.000	0.000	9.610	9.235	230.875
01+325	25.00	0.030	0.015	0.375	2.270	5.940	148.500
01+350	25.00	0.420	0.225	5.625	5.080	3.675	91.875
01+375	25.00	0.160	0.290	7.250	0.920	3.000	75.000
<b>Length(m)</b>	<b>1375.00</b>		<b>Cut Volume(Cu.m)</b>	<b>129.250</b>		<b>Fill Volume(Cu.m)</b>	<b>10398.438</b>

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH  
WINDER**

**BILL#2**

**SUB BASE & BASE**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**  
**ESTIMATE CSR 2023**

S.No	Description	Unit	Rate	QTY	AMOUNT
<b>BILL NO. 2: SUB BASE</b>					
1	Providing and laying pitrun gravel in sub base or base course of any thickness to required grade and camber including watering and compacting with road roller with all lead and lift. (compacted thickness to be measured)(including royalty of approved Quarry). <b>(S.i No 21-15b)</b>	Cum		868.57	
	Carriage of 100 Cft. (2.83 cu.m) of all materials like Clay, stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. 25 % Extra to be paid for hilly area, 25% Extra for Hard Area, 20% more for Kucha Road, 15% more for desert road <b>(S.i.No 1J) Upto 10th Km</b>	Cum		868.57	
	<b>(S.i.No 1K) 11 to 13th Km</b>	Cum		868.57	
2	Providing and laying graded aggregate base course of crushed stone of approved quality, including placing, mixing, spreading, watering and compacting base course to required depth, camber and grade to achieve 100% max. modified AASHTO dry density conforming to AASHTO specifications T -180, with mechanical means and with all lead and lift. (Carriage of crushed stone is included in the rate, within 5km of Project premises) <b>(S.i No 21-17-1)</b>	Cum		1,182.45	
	Carriage of 100 Cft. (2.83 cu.m) of all materials like Clay, stone aggregate, spawl, kankar lime (unslaked), surkhi, etc. or 150 Cft. (4.25 cu.m) of timber, by truck or by any other means owned by the contractor. 25 % Extra to be paid for hilly area, 25% Extra for Hard Area, 20% more for Kucha Road, 15% more for desert road <b>(S.i.No 1J) Upto 10th Km (10*76.85/2.83 =271.55)</b>	Cum		1182.45	
	<b>(S.i.No 1K) 11 to 13th Km</b>	Cum		1182.45	
<b>Sub.Total</b>					
<b>Above/ below _____% Premium if any on CSR 2023</b>					
<b>G.Total</b>					
<b>G.Total</b>					-



## GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

## Detail Quantities

## Aggregate Base Course

S.NO	Description	Unit	No,s	Sggregate Base Course						Remarks
				Chainage (Km)		L (M)	W (M)	H (M)	Qty (Cum)	
				From	To					
1	Aggregate Base	Cum	1	00+000	01+375	1375	3.905	0.15	805.43	Main Road
2	Aggregate Base	Cum	2	00+000	01+375	1375	0.914	0.15	377.03	Shoulders
Total									1182.45	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO  
ABDULLAH BURRAH GOTH WINDER**

**BILL#3**

**SURFACING**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**  
**ESTIMATE CSR 2023**

Sr. No.	Description of Item	Unit	Rate	QTY	Amount
<b>BILL NO. 3: SURFACING</b>					
1	Providing and applying prime coat of liquid asphalt (cut back) of any approved grade using asphalt (cut back) including cleaning and brooming of road surface.(S.I.No. 21-23-a)	Sqm		5159.06	
2	Providing and laying hot-mix bituminous concrete in road pavement laid with mechanical paver and mixed in central mixing plant in required thickness and density, rolled hot with different types of rollers complete as per specifications and job-mix formula and design in single layer <b>Asphalt Wearing Course</b> <b>50mm (2") thickness.(S.I.No. 21-32 c) - (Detection for Tack Coat 21-24-1)-153.13</b>	Sqm		5088.90	
3	Surface dressing in two coats including supply of bitumen 80/100 or any approved grade and approved crushed aggregate of approved size and grade for road surface with rolling (including royalty of Quarry). <b>D.S.T Shoulders (S.I.No. 21-20)</b>	Sqm		2513.50	
<b>Sub.Total</b>					
<b>G.Total</b>					-

## Detail Quantities

S.No	Description	Unit	No,s	Chainage (Km)		L (M)	Width (M)	Quantity (Sqm)	Remarks
				From	To				
1	Prime Coat	Sqm	1	00+000	01+375	1375	3.752	5159	Main Road
G.Total								5159.06	

## CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER

### Asphalt Wearing Course

S.No	Description	Unit	No,s	Chainage (Km)		L (M)	Width (M)	Quantity (Sqm)	Remarks
				From	To				
1	Asphlat Wering Course	Sqm	1	00+000	01+375	1375	3.701	5089	Main Road
G.Total								5088.90	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH**  
**GOTH WINDER**

## Detail Quantities

**D.S.T**

S.No	Description	Unit	No,s	Chainage (Km)		L (M)	Width (M)	Quantity (Sqm)	Remarks
				From	To				
1	D.S.T	Sqm	2	00+000	01+375	1375	0.914	2514	Shoulder Both Side
G.Total								2513.50	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH  
GOTH WINDER**

# **BILL#5**

# **ANCILLARY**

# **WORKS**



**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**

**BILL OF QUANTITIES**

**BILL NO. 5: ANCILLARY WORKS**

S.No	Description of items	Unit	Rate	Quantity	Amount
1	Providing and fixing road sign boards such as caution etc as approved by the Engineer with reflective paints, having superficial area of 1.125 sq.m including cost of post etc.(S.I.# 21-84-1)	Each		2.0	
2	P/L Road Marking With Recflective TP Thermoplastic) paint for lines of 12.50 cm width. (YELLOW) (S.I.# 17-50-1)	R M		2750.0	
5	P/L Road Marking With Recflective TP Thermoplastic) paint for 4 meters arrows. (S.I.# 17-50-1)	R m		6.0	
6	Reflectorized Plastic Pavement Stud (Raised Profile Type - Double) (S.I.# 21-86 b)	Each		351.0	
7	Providing and fixing 6" x 6" x 30" (150mm x 150mm x 750mm) precast 1:2:4 cement concrete boundary pillars using graded crushed aggregate embedded in cement concrete 1:4:8 including formwork and its removal, compacting and curing including cost of excavation. (including royalty of Quarry). (S.I.# 21-53-1)	Each		2.0	
8	Providing and fixing 9" x 4" x 30" (230mm x 100mm x 750mm) precast 1:2:4 cement concrete kilometer stone using graded screened bajri, embedded in cement concrete 1:4:8, formwork and its removal, compacting and curing including the cost of excavation, cement cost 1:4:8 backfilling of excavated stuff, cement plaster with 1:3 cement engraving and writing letters of approved size, painting two coats as desired. (S.I.# 21-55-1)	Each		1.0	
	<b>TOTAL Amount (Rs.)</b>				

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**  
**DETAIL**

**Pavement Marking**

S. No.	Description	Unit	No,s	Chainage (Km)		L (M)	Qty (M)	Remarks
				From	To			
1	P/L Road Marking With Reflective TP Thermoplastic) paint for lines of 12.50 cm width. (YELLOW)	M	2	00+000	01+375	1375	2750.0	Both sides full length Main Road
		<b>Total</b>					<b>2750.0</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**DETAIL**

**Pavement Marking**

S. No.	Description	Unit	No,s	Chainage (Km)		L (M)	Qty (M)	Remarks
				From	To			
1	P/L Road Marking With Reflective TP Thermoplastic) paint for lines of 12.50 cm width.(WHITE Arrows)	M	3			2	6.0	Arrows
		Total					6.0	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)****CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER****DETAIL ESTIMATE****Reflectorized Pavement Stud (Raised Profile Type-Double)**

S No.	Description	Unit	No,s	Chainage (Km)		L (M)	Qty (M)	Remarks
				From	To			
1	Main Road	Each	2	00+000	01+375	1375	344	In 2 Rows having 8m interval Main Road
4	Crossing	Each	2			7.32	7.0	In 2 Rows having 3m interval
	Total						351	



S No.	Description	Unit	Chainage (Km)		L (M)	No,s	Qty (M)	Remarks
			From	To				
1	Kilometer post	Each	00+000	01+375	1375	1	1	1 Km interval
Total							1	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**

# **STRUCTURES**

# **WORKS**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**STRUCTURE WORKS**

S.NO	DESCRIPTION	Unit	Qty.	AMOUNT PK RS.
1	RCC Box Culverts	No	0	
2	RCC Pipe Culverts	No	1	
4	RCC wall	RM	7	
5	PCC Wall	RM	11	
7	PCC Side Drain	RM	8	
8	PCC Parapet Walls	No	6	
<b>Sub.Total</b>				
<b>Above/ below _____% Premium if any on CSR 2023</b>				
<b>G.Total</b>				



**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

# **DETAIL OF BOX CULVERTS**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
A.	STRUCTURE WORK				
	<u>BOX CULVERT</u>				
1	RCC Box Culvert (1 x 1 x 1 M)	No.	1		
<b>Sub.Total</b>					
<b>Above/ below _____ % Premium if any on CSR 2023</b>					
<b>G.Total</b>					

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 1    Span = 1    Height = 1 ) m

Q. NO.	DESCRIPTION	No	Length	Width	Depth/H	QTY	Rate (Rs.)	AMOUNT (Rs)
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) (Machinery)							
	Culvert bed	1	9.000	2.600	1.000	23.400		
	Toe Wall	2	2.600	0.500	0.750	1.950		
	Wing Wall Bed	2	10.996		1.000	21.992		
	Wing Wall Bed	2	10.996		1.000	21.992		
	Cut of Wall	1	5.600	0.300	1.000	1.680		
	(S.I. NO.3-21b iv)			Per Cu.m	<b>Total</b>	<b>71.014</b>		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & downgauge in foundation including leveling, compacting and curing. (1:4:8).							
	Culvert bed	1	7.400	1.800	0.100	1.332		
	Toe Wall	2	1.800	0.400	0.100	0.144		
	Wing Wall	2	5.728		0.100	1.146		
	Wing Wall	2	5.728		0.100	1.146		
	(S.I.No.5-8e)			Per Cu.m	<b>Total</b>	<b>3.767</b>		
3	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height (Steel G-60)							
	Culvert+Wing walls	1	26.124		Kgs	Tons		
	(S.I.No. 5- 65a )			Per tonne	2442.594	2.443		
					<b>Total</b>	<b>2.565</b>		
4	Providing and laying in position ready mixed							
	Culvert Base slab	1	8.000	1.600	0.350	4.480		
	Toe wall	2	1.600	0.650	0.300	0.624		
	Wing Wall Bed	2	4.178		0.300	2.507		
	Wing Wall 1m Portion Bed	2	0.616		0.250	0.308		
	Wing Wall Bed	2	4.178		0.300	2.507		
	Wing Wall 1m Portion Bed	2	0.616		0.250	0.308		
	Apran Cut of Wall	1	5.600	0.300	1.000	1.680		
	(S.I.No. 5- 26b+d)			Per Cu.m	<b>Total</b>	<b>12.414</b>		

Q	QUANTITY	DESCRIPTION	No	Length	Width	Depth/H	QTY	Rate (Rs.)	AMOUNT (Rs)
5	Providing and laying in position ready mixed concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per mix design to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (1:1-1/2:3).4000Psi								
	External Walls	2	8.000	0.300	1.000	4.800			
	Internal Walls	0	8.000	0.300	1.000	0.000			
	Fillet	4	8.000	0.150	0.150	0.360			
	Main Wing Wall	2	3.288	0.250	1.765	1.451			
	1 Meter Wing Wall	2	0.948	0.250	1.250	0.296			
	Main Wing Wall	2	3.288	0.250	1.765	1.451			
	1 Meter Wing Wall	2	0.948	0.250	1.250	0.296			
	( S.I.No. 5- 26b+e)			Per Cu.m	Total	8.654			
6	Providing and laying in position ready mixed concrete for reinforced cement concrete work								
	Top slab	1	8.000	1.600	0.350	4.480			
	( S.I.No. 5- 26a+m)			Per Cu.m	Total	4.480			
7	Providing and laying in position ready mixed concrete for reinforced cement concrete work								
	Parapit walls	2	1.600	0.300	0.600	0.576			
	( S.I.No. 5- 26b+e )			Per Cu.m	Total	0.576			
8	Rip Rap Class-B								
	SP-01 D/S of Culvert Apron ( S.I.No. 19-31 b )	1	Area 6.773 Per Cu.m	0.300	2.032				
				Total	2.032				
9	Mortor Rip Rap								
	SP-02 D/S of Culvert Apron ( S.I.No. 19-34a )	1	Area 6.773 Per Sqm	Total	6.773				
					6.773				
Sub.Total									
Above/ below % Premium if any on CSR 2023									
G.Total									

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

# **Link Road**

# **PIPE CULVERTS**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**PIPE CULVERT**

**STRUCTURE WORK**

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
A.	<b>STRUCTURE WORK</b> <u><b>PIPE CULVERT</b></u>				
1	Pipe Culvert Single Cell	No.	1		
		<b>Total No.</b>	<b>1</b>		
<b>Sub.Total</b>					
<b>Above/ below _____% Premium if any on CSR 2023</b>					
<b>G.Total</b>					

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

**PIPIE CULVERT 1 CELLS (36" Outer dia)**

S.No	DESCRIPTION	No	Length	Width	Depth/H	QTY	Unit	Rate	AMOUNT (Rs)
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)  (S.I. NO.3-21b iv)								
	Pipe culvert	1	8.000	1.500	0.300	3.600	Cu.m		
	Wing wall	4	2.500	1.250	0.700	8.750	Cu.m		
	U/S D/S cut-off walls	2	1.500	0.400	0.700	0.840	Cu.m		
					<b>Total</b>	<b>14.509</b>	Cu.m		
2	Providing and laying plain machine mixed cement concrete using coarse sand and crushed aggregate having maximum size upto 1- 1/2" (38mm) & down gauge in foundation including levelling, compacting and curing. (1:4:8).  ( S.I.No.5-5c)								
	Pipe culvert Base	1	8.000	1.500	0.100	1.200			
	Wing wall	4	2.500	1.175	0.100	1.175			
						<b>2.613</b>	Cu.m		
3	Providing and laying in position ready mixed concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per mix design to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (1:1-1/2:3).4000Psi  ( S.I.No. 5- 26b+d )								
	Pipe culvert (Around pipe)	1	8.000	1.500	1.600	19.200			
	Parapit wall	2	1.500	0.300	0.600	0.540			
					<b>Total</b>	<b>19.740</b>	Cu.m		
	D/D of Pipe	1	8.000	Area	0.636	5.089	Cu.m		
						<b>16.116</b>	Cu.m		

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

[illegible]



**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH  
GOTH WINDER**

# **DETAIL OF RETAINING WALL**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH  
WINDER**

RCC Retaining Wall/ Brast Wall			Remarks
No.	Description	Amount (Pak Rs.)	
1	RCC Retaining Wall/ Brast Wall		
TOTAL			
Sub.Total			
Above/ below _____% Premium if any on CSR 2023			
G.Total			

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**

**RCC Retaining Wall/ Brast Wall**

**CSR 2023**

<b>S.No</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>Rate (Rs.)</b>	<b>AMOUNT (Rs)</b>
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)  (S.I. NO.3-21b iv)	18.13		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.1:4:8  ( S.I.No.5-8e)	1.81		
3	Providing and laying in position ready mixed concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per mix design to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.(1:1-1/2:3).4000Psi Bed  ( S.I.No. 5-26b+d)	5.98		
4	Providing and laying in position ready mixed concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of admixtures in recommended proportions as per mix design to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge.(1:1-1/2:3).4000Psi Wall  ( S.I.No. 5-26b+e)	5.57		
5	Providing, fabricating and laying deformed <b>Grade 60 steel</b> reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height  ( S.I.No. 5-65 )	1.154		
<b>Sub.Total</b>				
<b>Above/ below _____% Premium if any on CSR 2023</b>				
<b>G.Total</b>				

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH  
WINDER**

## 1-Structural Excavation

S No.	RD		No.	Length		Depth	Quantity ( CM )
	From	To					
1			1	3.0	2.590	1.000	7.770
2			1	4.0	2.590	1.000	10.360
				7.0			
Total Quantity							18.13

## Detail Quantities

S No.	RD		No.	Length		Depth	Quantity ( CM )
	From	To					
1			1	3.00	2.590	0.10	0.78
2			1	4.00	2.590	0.10	1.04
Total Quantity							1.81

### Detail Quantities

#### Bed Concrete

S No.	From	To	No.	Length		Depth	Quantity ( CM )
R/Wall (Bed Under Ground)							
1			1	3.0	2.440	0.350	2.562
2			1	4.0	2.440	0.350	3.416
Total Quantity							5.978

## CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER

### Walls Concrete

S No.	From	To	No.	Length		Depth	Quantity ( CM )
R/Wall (Wall On Ground)							
1			1	3.0	0.300	2.650	2.385
2			1	4.0	0.300	2.650	3.180
Total Quantity							5.565

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH**  
**GOTH WINDER**

**Detail Quantities of Steel**

S No.	RD		No.	Concrete (CM)	Steel (Kgs)
	From	To			
1			1	4.947	494.70
2			1	6.596	659.60
<b>Total Quantity (Kgs)</b>					<b>1154.30</b>
<b>Total Quantity (Tonnes)</b>					<b>1.15</b>



**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

PCC Retaining Wall/ Brast Wall					Remarks
No.	Description	Unit	Length	Amount (Pak Rs.)	
1	PCC Retaining Wall / Brast Wall	Rm	11.00		
TOTAL					

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

[illegible]

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH  
GOTH WINDER**

**SCHEDULE OF PCC WALL**

S.No	CHAINAGE FROM      TO		LENGTH (M)	SIDE	T. LENGTH (M)	HEIGHT STRAIGHT (M)	HEIGHT SLOPE 1.5:1 (M)	Remarks
1			5	1	5	2.00	3.606	
2			6	1	6	2.00	3.606	

**LENGTH (M)      11**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

PCC Drain				Remarks
No.	Description	Unit	Amount (Pak Rs.)	
1	PCC Side Drain	8.00		
TOTAL				

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

### PCC Side Drain

[illegible]

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH  
GOTH WINDER**

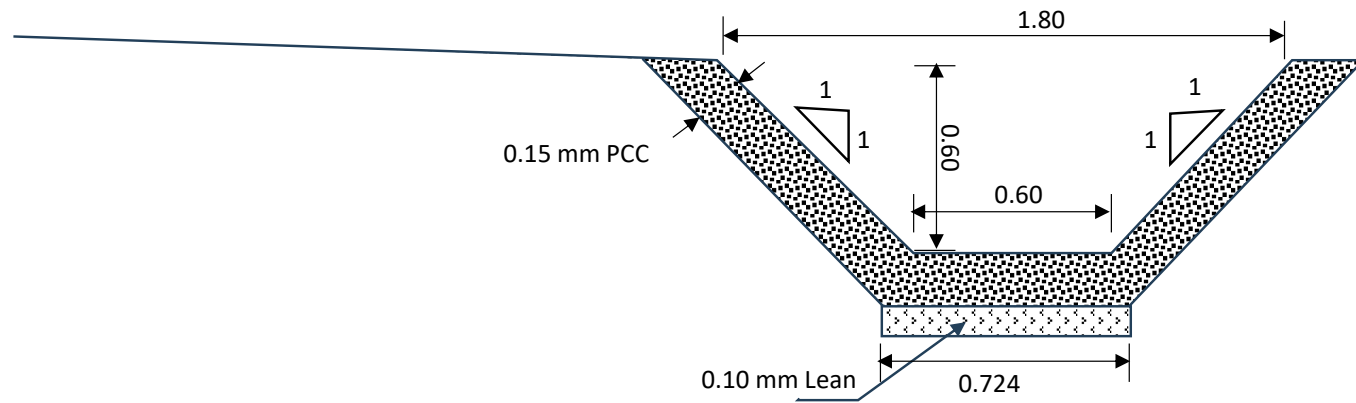
**SCHEDULE OF PCC Drain**

S.No	CHAINAGE FROM TO		Side	LENGTH (M)	T. LENGTH (M)	Remarks
1			1	8	8	

LENGTH (M) 8

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**



**SECTION OF  
SIDE DRAIN**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH**  
**WINDER**

# PARAPET WALLS



**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER**

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
1	<u>PCC PARAPET WALL</u> PCC Parapet Wall	No.	6		
"Sub.Total    ₹					
Above/ below _____% Premium if any on CSR 2023					
G.Total    ₹					

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**

**CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH  
BURRAH GOTH WINDER**

**SCHEDULE OF PARAPET WAL**

<b>S.NO</b>	<b>CHAINAGE FROM                  TO</b>		<b>LENGTH (M)</b>	<b>SIDE</b>	<b>TOTAL LENGTH (M)</b>	<b>PARAPET WAL No,s</b>
1			5	1	5	3
2			6	1	6	3
						<b>6</b>

**Parapet Wall Per No. Cost (1.00 x 0.45 x 1.00)**

[illegible]

## CONSTRUCTION OF BLACK TOPPED ROAD FROM RCD TO ABDULLAH BURRAH GOTH WINDER

