

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO
UMAR DURRAK GOTH GADANI**

DETAIL ESTIMATE

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH
GADANI

GENERAL ABSTRACT OF COST

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

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO
UMAR DURRAK GOTH GADANI**

**DETAIL OF
BILL#1
EARTH WORK**

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI**

Detail Quantities CSR 2023

S No	Description of items	Unit	Rate	QTY	AMOUNT
BILL No.1: EARTH WORK					
1	Clearing and grubbing (removal) of roots including scarifying natural ground upto 8" (20mm) depth and disposal of roots (S.i.No 21-10 b)	Sqm		5902.19	
2	Preparation and compaction upto 95% modified AASHTO of natural ground upto a depth of 8" (20mm) in ordinary soil (S.i.No 21-10 a)	Sqm		5902.19	
3	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.				
	(S.i.No 21-6c+21-9)	Cum		5904.50	
4	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				
G.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 MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI****CG & NGC**

Chainage	Length(m)	Left	Right	Total Width	Average Width	Area
00+000	0.00	3.679	3.556	7.235	0.000	0.000
00+025	25.00	4.917	4.504	9.421	8.328	208.200
00+050	25.00	5.745	5.689	11.434	10.428	260.688
00+075	25.00	6.082	6.383	12.465	11.950	298.738
00+100	25.00	6.290	6.405	12.695	12.580	314.500
00+125	25.00	6.674	6.401	13.075	12.885	322.125
00+150	25.00	5.053	5.973	11.026	12.051	301.263
00+175	25.00	5.088	5.620	10.708	10.867	271.675
00+200	25.00	5.560	5.252	10.812	10.760	269.000
00+225	25.00	5.226	5.028	10.254	10.533	263.325
00+250	25.00	5.560	5.280	10.840	10.547	263.675
00+275	25.00	5.330	4.597	9.927	10.384	259.588
00+300	25.00	5.462	4.147	9.609	9.768	244.200
00+325	25.00	5.541	4.552	10.093	9.851	246.275
00+350	25.00	5.610	5.480	11.090	10.592	264.788
00+375	25.00	5.716	5.582	11.298	11.194	279.850
00+400	25.00	5.405	5.392	10.797	11.048	276.188
00+425	25.00	5.883	5.988	11.871	11.334	283.350
00+450	25.00	5.121	6.150	11.271	11.571	289.275
00+475	25.00	4.939	5.698	10.637	10.954	273.850
00+500	25.00	4.753	5.013	9.766	10.202	255.038
00+525	25.00	4.625	4.957	9.582	9.674	241.850
00+550	25.00	3.972	3.626	7.598	8.590	214.750
						5902.188

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

Earthwork (Cutting & Filling)

Chainage	Length(m)	Cut Area(Sq.m)	Avrage of cut Area(Sq.m)	Cut Volume(Cu.m)	Fill Area(Sq.m)	Avarge of fill Area(Sq.m)	Fill Volume(Cu.m)
00+000	0.00	0.000	0.000	0.000	1.430	0.000	0.000
00+025	25.00	0.000	0.000	0.000	7.230	4.330	108.250
00+050	25.00	0.000	0.000	0.000	12.840	10.035	250.875
00+075	25.00	0.000	0.000	0.000	14.950	13.895	347.375
00+100	25.00	0.000	0.000	0.000	16.610	15.780	394.500
00+125	25.00	0.000	0.000	0.000	16.360	16.485	412.125
00+150	25.00	0.000	0.000	0.000	12.500	14.430	360.750
00+175	25.00	0.000	0.000	0.000	12.270	12.385	309.625
00+200	25.00	0.000	0.000	0.000	10.810	11.540	288.500
00+225	25.00	0.000	0.000	0.000	10.770	10.790	269.750
00+250	25.00	0.000	0.000	0.000	10.000	10.385	259.625
00+275	25.00	0.000	0.000	0.000	9.830	9.915	247.875
00+300	25.00	0.000	0.000	0.000	8.430	9.130	228.250
00+325	25.00	0.000	0.000	0.000	8.160	8.295	207.375
00+350	25.00	0.000	0.000	0.000	10.750	9.455	236.375
00+375	25.00	0.000	0.000	0.000	10.810	10.780	269.500
00+400	25.00	0.000	0.000	0.000	9.790	10.300	257.500
00+425	25.00	0.000	0.000	0.000	13.200	11.495	287.375
00+450	25.00	0.000	0.000	0.000	12.790	12.995	324.875
00+475	25.00	0.000	0.000	0.000	11.030	11.910	297.750
00+500	25.00	0.000	0.000	0.000	8.090	9.560	239.000
00+525	25.00	0.000	0.000	0.000	6.860	7.475	186.875
00+550	25.00	0.000	0.000	0.000	2.770	4.815	120.375
Length(m)	550.00		Cut Volume(Cu.m)	0.000		Fill Volume(Cu.m)	5904.500

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
DURRAK GOTH GADANI**

BILL#2

SUB BASE & BASE

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI
ESTIMATE CSR 2023

S.No	Description	Unit	Rate	QTY	AMOUNT
BILL NO. 2: SUB BASE					
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).(S.i No 21-15b)	Cum		347.43	
	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 (S.i.No 1J) Upto 10th Km	Cum		347.43	
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) (S.i No 21-17-1)	Cum		472.98	
	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 (S.i.No 1J) Upto 10th Km	Cum		472.98	
G.Total					
Above/ below _____% Premium if any on CSR 2023					
G.Total					

Detail Quantities

S.NO	Description	Unit	No,s	Granular sub base						Remarks
				Chainage (Km)		L (M)	W (M)	H (M)	Qty (Cum)	
				From	To					
1	Granular sub base	Cum	1	00+000	00+550	550	4.2112	0.15	347.43	Main Road
Total									347.43	

Detail Quantities

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	00+550	550	3.905	0.15	322.17	Main Road
2	Aggregate Base	Cum	2	00+000	00+550	550	0.914	0.15	150.81	Shoulders
Total									472.98	

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI
ROAD TO UMAR DURRAK GOTH GADANI

BILL#3

SURFACING

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI**

ESTIMATE CSR 2023

Sr. No.	Description of Item	Unit	Rate	QTY	Amount
BILL NO. 3: SURFACING					
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		2063.62	
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 Asphalt Wearing Course 50mm (2") thickness.(S.I.No. 21-32 c) - (Detection for Tack Coat 21-24-1)-153.13	Sqm		2035.56	
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). D.S.T Shoulders (S.I.No. 21-20)	Sqm		1005.40	
Sub.Total					
Above/ below _____% Premium if any on CSR 2023					
G.Total					

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

Detail Quantities

Prime Coat

S.No	Description	Unit	No,s	Chainage (Km)		L (M)	Width (M)	Quantity (Sqm)	Remarks
				From	To				
1	Prime Coat	Sqm	1	00+000	00+550	550	3.752	2064	Main Road
G.Total								2063.62	

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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	00+550	550	3.701	2036	Main Road
G.Total								2035.56	

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
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DURRAK GOTH GADANI

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	00+550	550	0.914	1005	Shoulder Both Side
G.Total								1005.40	

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
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BILL#5

ANCILLARY

WORKS

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI****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		1100.0	
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		145.0	
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	
	TOTAL Amount (Rs.)				
Sub.Total					
Above/ below _____% Premium if any on CSR 2023					
G.Total					

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GADANI
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	00+550	550	1100.0	Both sides full length Main Road
		Total					1100.0	

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GADANI
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)
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GADANI

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	00+550	550	138	In 2 Rows having 8m interval Main Road
4	Crossing	Each	2			7.32	7.0	In 2 Rows having 3m interval
	Total						145	

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CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

DETAIL ESTIMATE

Right of way marker (150mm x 150mm x 750mm)

S No.	Description	Unit	Chainage (Km)		L (M)	No,s	Qty (M)	Remarks
			From	To				
1	Main Rod	Each	00+000	00+550	550	1	2	1 Km interval Both Side
Total							2	

S No.	Description	Unit	Chainage (Km)		L (M)	No,s	Qty (M)	Remarks
			From	To				
1	Kilometer post	Each	00+000	00+550	550	1	1	1 Km interval
Total							1	

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
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DURRAK GOTH GADANI

STRUCTURES

WORKS

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

STRUCTURE WORKS

S.NO	DESCRIPTION	Unit	Qty.	AMOUNT PK RS.
1	RCC Box Culverts	No	2	-
2	RCC Pipe Culverts	No	4	-
4	RCC wall	RM	5	-
5	PCC Wall	RM	8	-
7	PCC Parapet Walls	No	4	-
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 MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

DETAIL OF BOX CULVERTS

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

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		
2	RCC Box Culvert (1 x 2 x 1 M)	No.	1		
TOTAL			2		-

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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	Total	71.014		
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	Total	3.767		
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 2442.594	Tons 2.443		
	(S.I.No. 5- 65a)			Per tonne	Total	2.565		
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		
	Apron Cut of Wall	1	5.600	0.300	1.000	1.680		
	(S.I.No. 5- 26b+d)			Per Cu.m	Total	12.414		

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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	1	Area 6.773		0.300	2.032		
		(S.I.No. 19-31 b)			Per Cu.m	Total	2.032		
9		Mortor Rip Rap							
		SP-02 D/S of Culvert Apron	1	Area 6.773			6.773		
		(S.I.No. 19-34a)			Per Sqm	Total	6.773		
Sub.Total Rs.									
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 MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

DETAIL ESTIMATE OF RCC BOX CULVERT (Cell No.= 1 Span = 2 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	3.600	1.000	32.400		
	Toe Wall	2	3.600	0.500	0.750	2.700		
	Wing Wall Bed	2	10.996		1.000	21.992		
	Wing Wall Bed	2	10.996		1.000	21.992		
	Cut of Wall	1	6.600	0.300	1.000	1.980		
	(S.I. NO.3-21b iv)			Per Cu.m	Total	81.064		
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	2.800	0.100	2.072		
	Toe Wall	2	2.800	0.400	0.100	0.224		
	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	Total	4.587		
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	32.774		Kgs 3064.369	Tons 3.064		
	(S.I.No. 5- 65a)			Per tonne	Total	3.218		
4	Providing and laying in position ready mixed							
	Culvert Base slab	1	8.000	2.600	0.350	7.280		
	Toe wall	2	2.600	0.650	0.300	1.014		
	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		
	Apron Cut of Wall	1	6.600	0.300	1.000	1.980		
	(S.I.No. 5- 26b+d)			Per Cu.m	Total	15.904		

F	QUA	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	2.600	0.350	7.280		
		(S.I.No. 5- 26a+m)			Per Cu.m	Total	7.280		
7		Providing and laying in position ready mixed concrete for reinforced cement concrete work Parapit walls	2	2.600	0.300	0.600	0.936		
		(S.I.No. 5- 26b+e)			Per Cu.m	Total	0.936		
8	Rip Rap Class-B	SP-01 D/S of Culvert Apron	1	Area 8.923		0.300	2.677		
		(S.I.No. 19-31 b)			Per Cu.m	Total	2.677		
9	Mortor Rip Rap	SP-02 D/S of Culvert Apron	1	Area 8.923			8.923		
		(S.I.No. 19-34a)			Per Sqm	Total	8.923		
Sub.Total Rs.									
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 MAIN GADANI ROAD TO UMAR DURRAK GOTH
GADANI**

Link Road

PIPE CULVERTS

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

PIPE CULVERT

STRUCTURE WORK

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
A.	STRUCTURE WORK <u>PIPE CULVERT</u>				
1	Pipe Culvert Single Cell	No.	4		
		Total No.	4		
TOTAL					

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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		
					Total	14.509	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			
						2.613	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			
					Total	19.740	Cu.m		
	D/D of Pipe	1	8.000	Area	0.636	5.089	Cu.m		
						16.116	Cu.m		

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO
UMAR DURRAK GOTH GADANI**

DETAIL OF RETAINING WALL

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
DURRAK GOTH GADANI**

RCC Retaining Wall/ Brast Wall			Remarks
No.	Description	Amount (Pak Rs.)	
1	RCC Retaining Wall/ Brast Wall		
Sub.Total Rs.			
"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 MAIN GADANI ROAD TO UMAR DURRAK
GOTH GADANI

RCC Retaining Wall/ Brast Wall

CSR 2023

S.No	DESCRIPTION	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) (S.I. NO.3-21b iv)	12.95		
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)	1.30		
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)	4.27		
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)	3.98		
5	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 (S.I.No. 5-65)	0.825		
Sub.Total Rs. <input type="text"/>				
"Above/ below _____% Premium if any on CSR 2023 <input type="text"/>				
G.Total <input type="text"/>				

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

1-Structural Excavation

S No.	RD		No.	Length		Depth	Quantity (CM)
	From	To					
1			1	2.0	2.590	1.000	5.180
2			1	3.0	2.590	1.000	7.770
				5.0			
Total Quantity							12.95

Detail Quantities

S No.	RD		No.	Length		Depth	Quantity (CM)
	From	To					
1			1	2.00	2.590	0.10	0.52
2			1	3.00	2.590	0.10	0.78
Total Quantity							1.30

Detail Quantities

Bed Concrete

S No.	From	To	No.	Length		Depth	Quantity (CM)
R/Wall (Bed Under Ground)							
1			1	2.0	2.440	0.350	1.708
2			1	3.0	2.440	0.350	2.562
Total Quantity							4.270

Detail Quantities

Walls Concrete

S No.	From	To	No.	Length		Depth	Quantity (CM)
R/Wall (Wall On Ground)							
1			1	2.0	0.300	2.650	1.590
2			1	3.0	0.300	2.650	2.385
Total Quantity							3.975

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
DURRAK GOTH GADANI

Detail Quantities of Steel

S No.	RD		No.	Concrete (CM)	Steel (Kgs)
	From	To			
1			1	3.298	329.80
2			1	4.947	494.70
Total Quantity (Kgs)					824.50
Total Quantity (Tonnes)					0.82

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH
GADANI**

PCC Retaining Wall/ Brast Wall					Remarks
No.	Description	Unit	Length	Amount (Pak Rs.)	
1	PCC Retaining Wall / Brast Wall	Rm	8.00		
TOTAL					

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
DURRAK GOTH GADANI**

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			90	1	3	2.00	3.606	
2			50	1	5	2.00	3.606	

LENGTH (M) 8

GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)
CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR
DURRAK GOTH GADANI

PARAPET WALLS

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

CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
1	<u>PCC PARAPET WALL</u> PCC Parapet Wall	No.	4		
SUB TOTAL					
Above/ below _____% Premium if any on CSR 2023					
GRAND TOTAL					

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

**CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO
UMAR DURRAK GOTH GADANI**

SCHEDULE OF PARAPET WAL

S.NO	CHAINAGE FROM TO		LENGTH (M)	SIDE	TOTAL LENGTH (M)	PARAPET WAL No,s
1			3	1	3	2
2			4	1	4	2
						4

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

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CONSTRUCTION OF BLACK TOPPED ROAD FROM MAIN GADANI ROAD TO UMAR DURRAK GOTH GADANI

