

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL  
GOTH HUB**

# **DETAIL ESTIMATE**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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	
6	Embankment Protection	
7	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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL  
GOTH HUB**

**DETAIL OF  
BILL#1  
EARTH WORK**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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		15834.06	
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		15834.06	
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. <b>(S.i.No 21-6c+21-9)</b>	Cum		14350.00	
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				
<b>G.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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**CG & NGC**

<b>Chainage</b>	<b>Length(m)</b>	<b>Left</b>	<b>Right</b>	<b>Total Width</b>	<b>Average Width</b>	<b>Area</b>
00+000	0.00	3.751	3.830	7.581	0.000	0.000
00+025	25.00	5.864	4.776	10.640	9.111	227.763
00+050	25.00	5.845	6.311	12.156	11.398	284.950
00+075	25.00	5.856	6.816	12.672	12.414	310.350
00+100	25.00	6.248	5.734	11.982	12.327	308.175
00+125	25.00	6.735	7.068	13.803	12.893	322.313
00+150	25.00	6.972	6.344	13.316	13.560	338.988
00+175	25.00	6.565	6.010	12.575	12.946	323.638
00+200	25.00	6.535	5.873	12.408	12.492	312.288
00+225	25.00	6.877	5.585	12.462	12.435	310.875
00+250	25.00	5.670	4.958	10.628	11.545	288.625
00+275	25.00	6.235	5.525	11.760	11.194	279.850
00+300	25.00	6.750	6.725	13.475	12.618	315.438
00+325	25.00	6.410	5.770	12.180	12.828	320.688
00+350	25.00	5.441	5.348	10.789	11.485	287.113
00+375	25.00	4.498	4.976	9.474	10.132	253.288
00+400	25.00	5.336	5.258	10.594	10.034	250.850
00+425	25.00	6.306	5.661	11.967	11.281	282.013
00+450	25.00	6.800	6.649	13.449	12.708	317.700
00+475	25.00	6.829	6.935	13.764	13.607	340.163
00+500	25.00	7.687	7.917	15.604	14.684	367.100
00+525	25.00	6.520	6.660	13.180	14.392	359.800
00+550	25.00	6.278	8.544	14.822	14.001	350.025
00+575	25.00	5.792	7.016	12.808	13.815	345.375
00+600	25.00	5.523	5.138	10.661	11.735	293.363
00+625	25.00	5.196	5.556	10.752	10.707	267.663
00+650	25.00	5.376	6.113	11.489	11.121	278.013
00+675	25.00	5.115	4.414	9.529	10.509	262.725
00+700	25.00	5.323	4.839	10.162	9.846	246.138
00+725	25.00	6.034	5.451	11.485	10.824	270.588
00+750	25.00	4.864	5.530	10.394	10.940	273.488
00+775	25.00	4.932	4.800	9.732	10.063	251.575
00+800	25.00	4.661	5.354	10.015	9.874	246.838
00+825	25.00	4.942	6.994	11.936	10.976	274.388
00+850	25.00	5.219	7.027	12.246	12.091	302.275
00+875	25.00	4.859	5.224	10.083	11.165	279.113
00+900	25.00	5.367	5.569	10.936	10.510	262.738
00+925	25.00	5.891	6.458	12.349	11.643	291.063
00+950	25.00	5.720	6.173	11.893	12.121	303.025
00+975	25.00	4.039	5.457	9.496	10.695	267.363
01+000	25.00	4.756	5.801	10.557	10.027	250.663
01+025	25.00	3.190	4.854	8.044	9.301	232.513
01+050	25.00	4.001	5.846	9.847	8.946	223.638
01+075	25.00	5.482	6.328	11.810	10.829	270.713
01+100	25.00	4.029	6.530	10.559	11.185	279.613
01+125	25.00	3.502	6.104	9.606	10.083	252.063
01+150	25.00	4.460	6.286	10.746	10.176	254.400
01+175	25.00	5.733	6.265	11.998	11.372	284.300
01+200	25.00	3.302	5.528	8.830	10.414	260.350
01+225	25.00	3.890	5.029	8.919	8.875	221.863



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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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	2.200	0.000	0.000
00+025	25.00	0.000	0.000	0.000	9.380	5.790	144.750
00+050	25.00	0.000	0.000	0.000	13.580	11.480	287.000
00+075	25.00	0.000	0.000	0.000	15.040	14.310	357.750
00+100	25.00	0.000	0.000	0.000	13.160	14.100	352.500
00+125	25.00	0.000	0.000	0.000	18.470	15.815	395.375
00+150	25.00	0.000	0.000	0.000	19.690	19.080	477.000
00+175	25.00	0.000	0.000	0.000	14.690	17.190	429.750
00+200	25.00	0.000	0.000	0.000	14.020	14.355	358.875
00+225	25.00	0.000	0.000	0.000	15.250	14.635	365.875
00+250	25.00	0.000	0.000	0.000	8.090	11.670	291.750
00+275	25.00	0.000	0.000	0.000	12.960	10.525	263.125
00+300	25.00	0.000	0.000	0.000	16.680	14.820	370.500
00+325	25.00	0.000	0.000	0.000	13.670	15.175	379.375
00+350	25.00	0.000	0.000	0.000	10.150	11.910	297.750
00+375	25.00	0.000	0.000	0.000	5.800	7.975	199.375
00+400	25.00	0.000	0.000	0.000	9.160	7.480	187.000
00+425	25.00	0.000	0.000	0.000	10.980	10.070	251.750
00+450	25.00	0.000	0.000	0.000	15.870	13.425	335.625
00+475	25.00	0.000	0.000	0.000	17.910	16.890	422.250
00+500	25.00	0.000	0.000	0.000	18.190	18.050	451.250
00+525	25.00	0.000	0.000	0.000	16.010	17.100	427.500
00+550	25.00	0.000	0.000	0.000	13.340	14.675	366.875
00+575	25.00	0.000	0.000	0.000	11.960	12.650	316.250
00+600	25.00	0.000	0.000	0.000	7.410	9.685	242.125
00+625	25.00	0.000	0.000	0.000	8.930	8.170	204.250
00+650	25.00	0.000	0.000	0.000	8.800	8.865	221.625
00+675	25.00	0.000	0.000	0.000	6.200	7.500	187.500
00+700	25.00	0.000	0.000	0.000	7.970	7.085	177.125
00+725	25.00	0.000	0.000	0.000	10.550	9.260	231.500
00+750	25.00	0.000	0.000	0.000	7.790	9.170	229.250
00+775	25.00	0.000	0.000	0.000	5.840	6.815	170.375
00+800	25.00	0.000	0.000	0.000	5.780	5.810	145.250
00+825	25.00	0.000	0.000	0.000	8.200	6.990	174.750
00+850	25.00	0.000	0.000	0.000	8.640	8.420	210.500
00+875	25.00	0.000	0.000	0.000	7.080	7.860	196.500
00+900	25.00	0.000	0.000	0.000	8.890	7.985	199.625
00+925	25.00	0.000	0.000	0.000	11.840	10.365	259.125
00+950	25.00	0.000	0.000	0.000	8.800	10.320	258.000
00+975	25.00	0.000	0.000	0.000	6.900	7.850	196.250
01+000	25.00	0.000	0.000	0.000	8.760	7.830	195.750
01+025	25.00	0.000	0.000	0.000	2.960	5.860	146.500
01+050	25.00	0.000	0.000	0.000	7.810	5.385	134.625
01+075	25.00	0.000	0.000	0.000	13.310	10.560	264.000
01+100	25.00	0.000	0.000	0.000	8.860	11.085	277.125
01+125	25.00	0.000	0.000	0.000	7.280	8.070	201.750
01+150	25.00	0.000	0.000	0.000	10.820	9.050	226.250
01+175	25.00	0.000	0.000	0.000	13.960	12.390	309.750
01+200	25.00	0.000	0.000	0.000	6.410	10.185	254.625
01+225	25.00	0.000	0.000	0.000	5.800	6.105	152.625
01+250	25.00	0.000	0.000	0.000	5.040	5.420	135.500
01+275	25.00	0.000	0.000	0.000	3.230	4.135	103.375
01+300	25.00	0.000	0.000	0.000	4.100	3.665	91.625
01+325	25.00	0.000	0.000	0.000	8.000	6.050	151.250
01+350	25.00	0.000	0.000	0.000	10.620	9.310	232.750
01+375	25.00	0.000	0.000	0.000	5.350	7.985	199.625
01+400	25.00	0.000	0.000	0.000	4.990	5.170	129.250
01+425	25.00	0.000	0.000	0.000	3.860	4.425	110.625
		0.000			2.500		
<b>Length(m)</b>	<b>1425.00</b>		<b>Cut Volume(Cu.m)</b>	<b>0.000</b>		<b>Fill Volume(Cu.m)</b>	<b>14350.000</b>

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH  
HUB**

**BILL#2**

**SUB BASE & BASE**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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).(S.i No 21-15b)	Cum		900.15	
	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		900.15	
	<b>(S.i.No 1K) 11 to 13th Km</b>	Cum		900.15	
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		1,225.45	
	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</b>	Cum		1225.45	
	<b>(S.i.No 1K) 11 to 13th Km</b>	Cum		1225.45	
<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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**Detail Quantities**

**Natural pitrun gravel 50 mm (2") Supplying**

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	01+425	1425	4.2112	0.15	900.15	Main Road
<b>Total</b>									<b>900.15</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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+425	1425	3.905	0.15	834.72	Main Road
2	Aggregate Base	Cum	2	00+000	01+425	1425	0.914	0.15	390.74	Shoulders
<b>Total</b>									<b>1225.45</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)  
CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN  
CHANAL GOTH HUB**

# **BILL#3**

# **SURFACING**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**ESTIMATE CSR 2023**

<b>Sr. No.</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Rate</b>	<b>QTY</b>	<b>Amount</b>
<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. <b>(S.I.No. 21-23-a)</b>	Sqm		5346.66	
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 50mm (2") thickness.(S.I.No. 21-32 c) - (Detection for Tack Coat 21-24-1)-153.13</b>	Sqm		5273.95	
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		2604.90	
<b>Sub.Total</b>					
Above/ below ___% Premium if any on CSR 2023					
<b>G.Total</b>					

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**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	01+425	1425	3.752	5347	Main Road
<b>G.Total</b>								<b>5346.66</b>	

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**Detail Quantities**

**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+425	1425	3.701	5274	Main Road
<b>G.Total</b>								<b>5273.95</b>	

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**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+425	1425	0.914	2605	Shoulder Both Side
<b>G.Total</b>								<b>2604.90</b>	

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**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL**  
**GOTH HUB**

**BILL#5**  
**ANCILLARY**  
**WORKS**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**BILL OF QUANTITIES**

**BILL NO. 5: ANCILLARY WORKS**

<b>S.No</b>	<b>Description of items</b>	<b>Unit</b>	<b>Rate</b>	<b>Quantity</b>	<b>Amount</b>
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		2850.0	
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) <b>(S.I.# 21-86 b)</b>	Each		363.0	
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). <b>(S.I.# 21-53-1)</b>	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. <b>(S.I.# 21-55-1)</b>	Each		1.0	
	<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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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+425	1425	2850.0	Both sides full length Main Road
						<b>Total</b>	<b>2850.0</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**  
**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
						<b>Total</b>	<b>6.0</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)****CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB****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+425	1425	356	In 2 Rows having 8m interval Main Road
4	Crossing	Each	2			7.32	7.0	In 2 Rows having 3m interval
						<b>Total</b>	<b>363</b>	

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

## CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB

### 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	01+425	1425	1	2	1 Km interval Both Side
<b>Total</b>							<b>2</b>	

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

## CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB

### DETAIL ESTIMATE

Kilometer post (230mm x 100mm x 750mm)

S No.	Description	Unit	Chainage (Km)		L (M)	No,s	Qty (M)	Remarks
			From	To				
1	Kilometer post	Each	00+000	01+425	1425	1	1	1 Km interval
<b>Total</b>							<b>1</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL**  
**GOTH HUB**

# **DETAIL OF RETAINING WALL**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL  
GOTH HUB**

<b>RCC Retaining Wall/ Brast Wall</b>			<b>Remarks</b>
<b>No.</b>	<b>Description</b>	<b>Amount (Pak Rs.)</b>	
1	RCC Retaining Wall/ Brast Wall		
<b>TOTAL</b>			

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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) <b>(S.I. NO.3-21b iv)</b>	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. <b>1:4:8</b> <b>( S.I.No.5-8e)</b>	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. <b>(1:1-1/2:3).4000Psi Bed</b> <b>( S.I.No. 5-26b+d)</b>	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. <b>(1:1-1/2:3).4000Psi Wall</b> <b>( S.I.No. 5-26b+e)</b>	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 <b>( S.I.No. 5-65 )</b>	1.154		
	<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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**Detail Quantities**

**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
3			1	2.0	2.590	1.000	5.180
				7.0			
<b>Total Quantity</b>							<b>18.13</b>

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**Detail Quantities**

**2-Lean Concrete**

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
3			1	2.00	2.590	0.10	0.52
<b>Total Quantity</b>							<b>1.81</b>

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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
3			1	2.0	2.440	0.350	1.708
<b>Total Quantity</b>							<b>5.978</b>

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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
3			1	2.0	0.300	2.650	1.590
<b>Total Quantity</b>							<b>5.565</b>

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH**  
**HUB**

**Detail Quantities of Steel**

S No.	RD		No.	Concrete (CM)	Steel (Kgs)
	From	To			
1			1	3.298	329.80
			1	4.947	494.70
3			1	3.298	329.80
<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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB

PCC Retaining Wall/ Brast Wall					Remarks
No.	Description	Unit	Length	Amount (Pak Rs.)	
1	PCC Retaining Wall / Brast Wall	Rm	10.00		
TOTAL					

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**PCC Retaining Wall/ Brast Wall 2 m Height**

S.No	DESCRIPTION	Unit	Rate (Rs.)	L	B	D/H	QTY	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) Ordinary Soil (S.I. NO.3-21b ii)	Cum		10.00	1.20	1.40	16.80	
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) (S.I.No.5-8e)	Cum		10.00	1.20	0.10	1.20	
3	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4"(19mm) & downgauge in foundation including leveling, compacting and curing. (1:2:4) (S.I.No.5-8c)	Cum		10.00	1.00	0.30	3.00	
4	Providing & laying in situ cement concrete in wall and piers etc. upto 12"(300mm) in thickness using approved coarse sand & crushed aggregate 3/4"(19mm) & downgauge including compacting, curing, cost of formwork and its removal in basement and ground floor (1:2:4). (S.I.No. 5-13c)	Cum		10.00	0.45	2.00	9.00	
<b>SUB.Total</b>								
Above/ below ___% Premium if any on CSR 2023								
<b>G.Total</b>								

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**SCHEDULE OF PCC WALL**

<b>S.No</b>	<b>CHAINAGE FROM TO</b>		<b>LENGTH (M)</b>	<b>SIDE</b>	<b>T. LENGTH (M)</b>	<b>HEIGHT STRAIGHT (M)</b>	<b>HEIGHT SLOPE 1.5:1 (M)</b>	<b>Remarks</b>
1			5	1	5	2.00	3.606	
2			2	1	2	2.00	3.606	
3			3	1	3	2.00	3.606	

**LENGTH (M) 10**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH**  
**HUB**

# PARAPET WALLS

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

CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
1	PCC Parapet Wall	No.	9		
<b>SUB.TOTAL</b>					
<b>Above/ below ___% Premium if any on CSR 2023</b>					
<b>GRAND TOTAL</b>					

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL  
GOTH HUB**

**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			3	1	3	2
3			2	1	2	2
4			2	1	2	2
						<b>9</b>

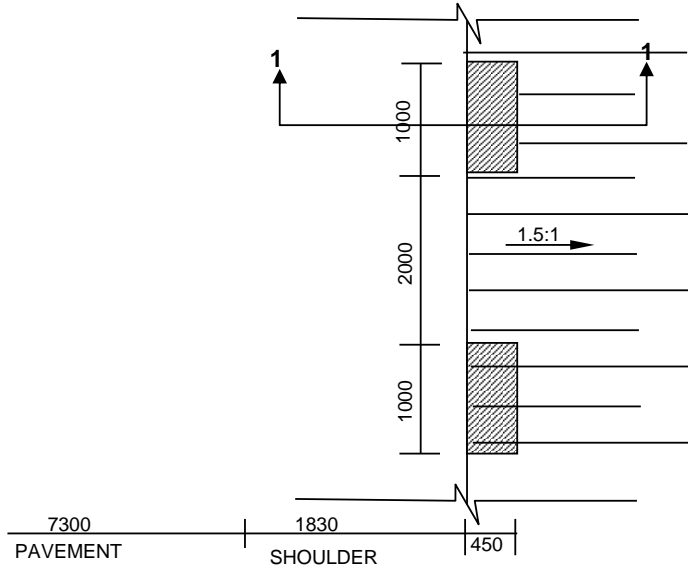
**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)  
CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB  
BILL OF QUANTITIES**

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

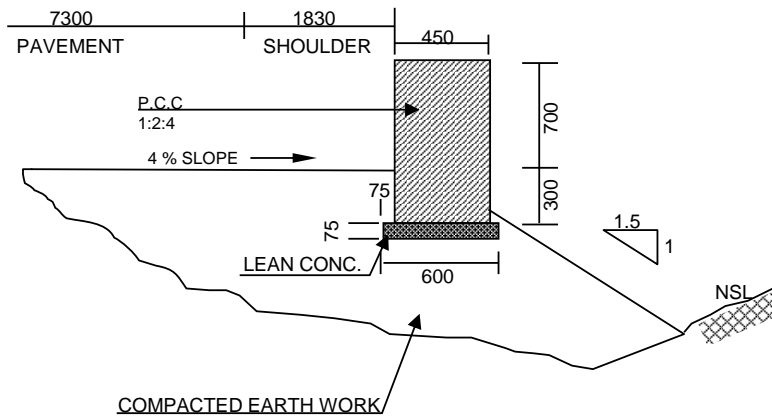
S.No	DESCRIPTION	NO	L	B	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) <b>(S.I. NO.3-21iv)</b>	1	1.000	0.600	0.375	0.225 <b>0.225</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). <b>(S.I. NO. 5-5c)</b> Lean Concrete	1	1.000	0.600	0.075	0.045 <b>0.045</b>	Cu.m		
3	Providing and laying in situ cement concrete in wall pair etc. up to 12" in thickness using coarse sand and crushed aggregate having maximum size upto 3/4" (19mm) & down including compaction curing cost of formwork its removal (1:2:4). <b>(S.I.No. 5- 13 c )</b>	1	1.000	0.450	1.000	0.450 <b>0.450</b>	Cu.m		
<b>Sub Total</b>									
<b>Above/ below ___% Premium if any on CSR 2023</b>									
<b>G. Total</b>									

**Government of Balochistan**

CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB



**PLAN OF PARAPET WALL**



**SECTION 1-1 OF PARAPET WALL**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)  
CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH  
HUB**

# **STRUCTURES WORKS**

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**STRUCTURE WORKS**

S.NO	DESCRIPTION	Unit	Qty.	AMOUNT PK RS.
1	RCC Box Culverts	No	5	
2	RCC Pipe Culverts	No	10	
4	RCC wall	RM		
5	PCC Wall	RM		
6	Embankment Protection	RM		
7	PCC Parapet Walls	No		
<b>G.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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

# **DETAIL OF BOX CULVERTS**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
A.	<b>STRUCTURE WORK</b> <b>BOX CULVERT</b>				
1	RCC Box Culvert (1 x 1 x 1 M)	No.	3		
2	RCC Box Culvert (2 x 1.5 x 1 M)	No.	1		
3	RCC Box Culvert (2 x 2 x 1 M)	No.	1		
<b>TOTAL</b>			<b>5</b>		

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 1 Span = 2 Height = 1 ) m

QTY	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	<b>Total</b>	<b>81.064</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	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	<b>Total</b>	<b>4.587</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	32.774			Kgs 3064.369	Tons 3.064	
	(S.I.No. 5- 65a )			Per tonne	<b>Total</b>		<b>3.218</b>	
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		
	Apran Cut of Wall	1	6.600	0.300	1.000	1.980		
	(S.I.No. 5- 26b+d)			Per Cu.m	<b>Total</b>	<b>15.904</b>		

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 1 Span = 2 Height = 1 ) m

QTY	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	<b>Total</b>	<b>8.654</b>		
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	<b>Total</b>	<b>7.280</b>		
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	<b>Total</b>	<b>0.936</b>		
8	Rip Rap Class-B							
	SP-01 D/S of Culvert Apron ( S.I.No. 19-31 b )	1	Area 8.923	0.300		2.677		
			Per Cu.m	<b>Total</b>	<b>2.677</b>			
9	Mortor Rip Rap							
	SP-02 D/S of Culvert Apron ( S.I.No. 19-34a )	1	Area 8.923			8.923		
			Per Sqm	<b>Total</b>	<b>8.923</b>			
<b>G.Total</b>								
Above/ below ___% Premium if any on CSR 2023								
<b>G.Total</b>								

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 2 Span = 1.5 Height = 1 ) m

QUA	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	4.900	1.000	44.100		
		Toe Wall	2	4.900	0.500	0.750	3.675		
		Wing Wall Bed	2		10.996	1.000	21.992		
		Wing Wall Bed	2		10.996	1.000	21.992		
		Cut of Wall	1	7.900	0.300	1.000	2.370		
		<b>(S.I. NO.3-21b iv)</b>				Per Cu.m	<b>Total</b>	<b>94.129</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	4.100	0.100	3.034
Toe Wall	2			4.100	0.400	0.100	0.328		
Wing Wall	2				5.728	0.100	1.146		
Wing Wall	2				5.728	0.100	1.146		
<b>(S.I.No.5-8e)</b>					Per Cu.m	<b>Total</b>	<b>5.653</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	44.179		Kgs 4130.737	Tons 4.131		
<b>(S.I.No. 5- 65a )</b>				Per tonne	<b>Total</b>	<b>4.337</b>			
4	Providing and laying in position ready mixed	Culvert Base slab	1	8.000	3.900	0.350	10.920		
		Toe wall	2	3.900	0.650	0.300	1.521		
		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	7.900	0.300	1.000	2.370		
		<b>(S.I.No. 5- 26b+d)</b>				Per Cu.m	<b>Total</b>	<b>20.441</b>	

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 2 Span = 1.5 Height = 1 ) m

QTY	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	1	8.000	0.300	1.000	2.400		
	Fillet	8	8.000	0.150	0.150	0.720		
	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	<b>Total</b>	<b>11.414</b>		
6	Providing and laying in position ready mixed concrete for reinforced cement concrete work							
	Top slab	1	8.000	3.900	0.350	10.920		
	( S.I.No. 5- 26a+m)			Per Cu.m	<b>Total</b>	<b>10.920</b>		
7	Providing and laying in position ready mixed concrete for reinforced cement concrete work							
	Parapit walls	2	3.900	0.300	0.600	1.404		
	( S.I.No. 5- 26b+e )			Per Cu.m	<b>Total</b>	<b>1.404</b>		
8	Rip Rap Class-B							
	SP-01 D/S of Culvert Apron ( S.I.No. 19-31 b )	1	Area 11.718	0.300		3.515		
			Per Cu.m	<b>Total</b>		<b>3.515</b>		
9	Mortor Rip Rap							
	SP-02 D/S of Culvert Apron ( S.I.No. 19-34a )	1	Area 11.718			11.718		
			Per Sqm	<b>Total</b>		<b>11.718</b>		
<b>G.Total</b>								
Above/ below ___% Premium if any on CSR 2023								
<b>G.Total</b>								

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 2 Span = 2 Height = 1 ) m

QUA	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	5.900	1.000	53.100		
	Toe Wall	2	5.900	0.500	0.750	4.425		
	Wing Wall Bed	2		10.996	1.000	21.992		
	Wing Wall Bed	2		10.996	1.000	21.992		
	Cut of Wall	1	8.900	0.300	1.000	2.670		
	<b>(S.I. NO.3-21b iv)</b>			Per Cu.m		<b>Total</b>	<b>104.179</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	5.100	0.100	3.774		
	Toe Wall	2	5.100	0.400	0.100	0.408		
	Wing Wall	2		5.728	0.100	1.146		
	Wing Wall	2		5.728	0.100	1.146		
<b>(S.I.No.5-8e)</b>			Per Cu.m		<b>Total</b>	<b>6.473</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	50.829		Kgs 4752.512	Tons 4.753		
<b>(S.I.No. 5- 65a)</b>			Per tonne		<b>Total</b>	<b>4.990</b>		
4	Providing and laying in position ready mixed							
	Culvert Base slab	1	8.000	4.900	0.350	13.720		
	Toe wall	2	4.900	0.650	0.300	1.911		
	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	8.900	0.300	1.000	2.670		
	<b>(S.I.No. 5- 26b+d)</b>			Per Cu.m		<b>Total</b>	<b>23.931</b>	

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 2 Span = 2 Height = 1 ) m

Q	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	1	8.000	0.300	1.000	2.400			
		Fillet	8	8.000	0.150	0.150	0.720			
		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	<b>Total</b>	<b>11.414</b>			
6		Providing and laying in position ready mixed concrete for reinforced cement concrete work								
		Top slab	1	8.000	4.900	0.350	13.720			
		( S.I.No. 5- 26a+m)			Per Cu.m	<b>Total</b>	<b>13.720</b>			
7		Providing and laying in position ready mixed concrete for reinforced cement concrete work								
		Parapit walls	2	4.900	0.300	0.600	1.764			
		( S.I.No. 5- 26b+e )			Per Cu.m	<b>Total</b>	<b>1.764</b>			
8		Rip Rap Class-B								
		SP-01 D/S of Culvert Apron ( S.I.No. 19-31 b )	1		Area 13.868 Per Cu.m	0.300	4.160			
						<b>Total</b>	<b>4.160</b>			
9		Mortor Rip Rap								
		SP-02 D/S of Culvert Apron ( S.I.No. 19-34a )	1		Area 13.868 Per Sqm		13.868			
						<b>Total</b>	<b>13.868</b>			
		<b>G.Total</b>								
		Above/ below ___% Premium if any on CSR 2023								
		<b>G.Total</b>								

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**Link Road**

**PIPE CULVERTS**

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

CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB

PIPE CULVERT

STRUCTURE WORK

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
A.	<b>STRUCTURE WORK</b> <b>PIPE CULVERT</b>				
1	Pipe Culvert Single Cell	No.	8		
2	Pipe Culvert Double Cells	No.	2		
		<b>Total No.</b>	<b>10</b>		
<b>TOTAL</b>					

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**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)  <b>(S.I. NO.3-21b iv)</b>								
	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).  <b>( S.I.No.5-5c)</b>								
	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  <b>( S.I.No. 5- 26b+d )</b>								
	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		

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

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

<b>S.No</b>	<b>DESCRIPTION</b>	<b>No</b>	<b>Length</b>	<b>Width</b>	<b>Depth/H</b>	<b>QTY</b>	<b>Unit</b>	<b>Rate</b>	<b>AMOUNT (Rs)</b>
4	<p>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</p> <p align="center"><b>( S.I.No. 5- 26b+e )</b></p>								
	Wing wall	4	2.700	0.300	1.500	4.860	Cu.m		
	U/S , D/S cut-off walls	2	1.500	0.300	0.600	0.540	Cu.m		
						5.940	Cu.m		
5	<p>Providing RCC pipe with bell and spigot or tongued and grooved joint conforming to ASTM C-76 class II wall B or B.S 3911 part I class M including cost of reinforcement 24" (600 mm) inner dia. RCC Pipe</p> <p align="center"><b>(S.I No. 25-1b-vi)</b></p>								
		1	8.000			8.000	RM		
						<b>8.000</b>	R.M		
	<b>G.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 ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**PIPIE CULVERT 3 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)  <b>(S.I. NO.3-21b iv)</b>								
	Pipe culvert	1	8.000	3.900	0.300	9.360	Cu.m		
	Wing wall	4	2.500	1.250	0.700	8.750	Cu.m		
	U/S D/S cut-off walls	2	3.900	0.400	0.700	2.184	Cu.m		
					<b>Total</b>	<b>22.323</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).  <b>( S.I.No.5-5c)</b>								
	Pipe culvert Base	1	8.000	3.900	0.100	3.120			
	Wing wall	4	2.500	1.175	0.100	1.175			
						<b>4.725</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  <b>( S.I.No. 5- 26b+d )</b>								
	Pipe culvert (Around pipe)	1	8.000	3.900	1.600	49.920			
	Parapit wall	2	3.900	0.300	0.600	1.404			
					<b>Total</b>	<b>51.324</b>	Cu.m		
	D/D of Pipe	1	8.000	Area	0.636	5.089	Cu.m		
						<b>50.858</b>	Cu.m		

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

**CONSTRUCTION OF ROAD FROM MAIN DURAJI ROAD TO SULEMAN CHANAL GOTH HUB**

**PIPIE CULVERT 3 CELLS (36" Outer dia)**

S.No	DESCRIPTION	No	Length	Width	Depth/H	QTY	Unit	Rate	AMOUNT (Rs)
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								
	<b>( S.I.No. 5- 26b+e )</b>								
	Wing wall	4	2.700	0.300	1.500	4.860	Cu.m		
	U/S , D/S cut-off walls	2	3.900	0.300	0.600	1.404	Cu.m		
						6.890	Cu.m		
5	Providing RCC pipe with bell and spigot or tongued and grooved joint confirming to ASTM C-76 class II wall B or B.S 3911 part I class M including cost of reinforcement 24" (600 mm) inner dia. RCC Pipe								
	<b>(S.I No. 25-1b-vi)</b>								
		1	8.000			8.000	RM		
						<b>8.000</b>	R.M		
	<b>G.Total</b>								
	<b>Above/ below ___% Premium if any on CSR 2023</b>								
	<b>G.Total</b>								