

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **DETAIL ESTIMATE**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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	
3	PCC Wall	
4	PCC Side Drain	
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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**DETAIL OF  
BILL#1  
EARTH WORK**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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		7578.200	
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		7578.200	
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		330.500	
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		4543.875	
5	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>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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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	9.010	0.000	0.000
00+025	25.00	0.000	0.000	0.000	6.250	7.630	190.750
00+050	25.00	0.000	0.000	0.000	10.060	8.155	203.875
00+075	25.00	0.000	0.000	0.000	7.480	8.770	219.250
00+100	25.00	0.000	0.000	0.000	5.650	6.565	164.125
00+125	25.00	0.000	0.000	0.000	4.030	4.840	121.000
00+150	25.00	0.090	0.045	1.125	1.260	2.645	66.125
00+175	25.00	0.000	0.045	1.125	5.340	3.300	82.500
00+200	25.00	0.000	0.000	0.000	4.760	5.050	126.250
00+225	25.00	0.000	0.000	0.000	5.570	5.165	129.125
00+250	25.00	0.000	0.000	0.000	8.340	6.955	173.875
00+275	25.00	0.000	0.000	0.000	6.420	7.380	184.500
00+300	25.00	0.000	0.000	0.000	5.860	6.140	153.500
00+325	25.00	0.000	0.000	0.000	7.010	6.435	160.875
00+350	25.00	0.000	0.000	0.000	6.510	6.760	169.000
00+375	25.00	0.000	0.000	0.000	6.030	6.270	156.750
00+400	25.00	0.000	0.000	0.000	8.840	7.435	185.875
00+425	25.00	0.020	0.010	0.250	1.940	5.390	134.750
00+450	25.00	0.000	0.010	0.250	1.870	1.905	47.625
00+475	25.00	0.000	0.000	0.000	2.680	2.275	56.875
00+500	25.00	0.000	0.000	0.000	2.830	2.755	68.875
00+525	25.00	0.000	0.000	0.000	4.460	3.645	91.125
00+550	25.00	0.000	0.000	0.000	4.510	4.485	112.125
00+575	25.00	0.000	0.000	0.000	4.510	4.510	112.750
00+600	25.00	0.000	0.000	0.000	4.150	4.330	108.250
00+625	25.00	0.000	0.000	0.000	4.270	4.210	105.250
00+650	25.00	0.010	0.005	0.125	1.750	3.010	75.250
00+675	25.00	0.000	0.005	0.125	2.350	2.050	51.250
00+700	25.00	0.000	0.000	0.000	3.520	2.935	73.375
00+725	25.00	0.000	0.000	0.000	4.710	4.115	102.875
00+750	25.00	0.000	0.000	0.000	6.780	5.745	143.625
00+775	25.00	0.000	0.000	0.000	13.980	10.380	259.500
00+800	25.00	0.000	0.000	0.000	10.650	12.315	307.875
00+825	25.00	0.480	0.240	6.000	2.880	6.765	169.125
00+850	25.00	9.650	5.065	126.625	0.000	1.440	36.000
00+875	25.00	5.940	7.795	194.875	0.000	0.000	0.000
<b>Length(m)</b>	<b>875.00</b>		<b>Cut Volume(Cu.m)</b>	<b>330.500</b>		<b>Fill Volume(Cu.m)</b>	<b>4543.875</b>

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**BILL#2**

**SUB BASE & BASE**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**ESTIMATE CSR 2023**

S.No	Description	Unit	Rate	QTY	AMOUNT
<b>BILL NO. 2: SUB BASE AND AGGREGATE 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		552.72	
	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		552.72	
	(S.i.No 1K) 11 to 13th Km	Cum		552.72	
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		752.47	
	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		752.47	
	(S.i.No 1K) 11 to 13th Km	Cum		752.47	
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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	00+875	875	4.2112	0.15	552.72	Main Road
<b>Total</b>									<b>552.72</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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	00+875	875	3.905	0.15	512.54	Main Road
2	Aggregate Base	Cum	2	00+000	00+875	875	0.914	0.15	239.93	Shoulders
<b>Total</b>									<b>752.47</b>	

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **BILL#3**

# **SURFACING**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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.(S.I.No. 21-23-a)	Sqm		3283.04	
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		3238.39	
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		1599.50	
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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+875	875	3.752	3283	Main Road
<b>G.Total</b>								<b>3283.04</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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	00+875	875	3.701	3238	Main Road
<b>G.Total</b>								<b>3238.39</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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+875	875	0.914	1600	Shoulder Both Side
<b>G.Total</b>								<b>1599.50</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

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

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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		1750.0	
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		226.0	
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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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+875	875	1750.0	Both sides full length Main Road
						<b>Total</b>	<b>1750.0</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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+875	875	219	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>226</b>	

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

## CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE

### 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+875	875	1	2	1 Km interval Both Side
<b>Total</b>							<b>2</b>	

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

## CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE

### 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	00+875	875	1	1	1 Km interval
<b>Total</b>							<b>1</b>	

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **STRUCTURES WORKS**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**STRUCTURE WORKS**

S.NO	DESCRIPTION	Unit	Qty.	AMOUNT PK RS.
1	RCC Box Culverts	No	1	
2	RCC Pipe Culverts	No	1	
4	RCC wall	RM	120	
5	PCC Wall	RM	50	
7	PCC Side Drain	RM	95	
8	PCC Parapet Walls	No	11	
<b>TOTAL</b>				

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **DETAIL OF BOX CULVERTS**

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

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

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

DETAIL ESTIMATE OF RCC BOX CULVERT ( Cell No.= 1 Span = 1 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	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		
	<b>(S.I. NO.3-21b iv)</b>			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		
	<b>(S.I.No.5-8e)</b>			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 2442.594	Tons 2.443		
	<b>(S.I.No. 5- 65a )</b>			Per tonne	<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		
	<b>(S.I.No. 5- 26b+d)</b>			Per Cu.m	<b>Total</b>	<b>12.414</b>		

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

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)
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	1.600	0.350	4.480		
	( S.I.No. 5- 26a+m)			Per Cu.m	<b>Total</b>	<b>4.480</b>		
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	<b>Total</b>	<b>0.576</b>		
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	<b>Total</b>	<b>2.032</b>		
9	Mortor Rip Rap							
	SP-02 D/S of Culvert Apron	1		Area 6.773		6.773		
	( S.I.No. 19-34a )			Per Sqm	<b>Total</b>	<b>6.773</b>		
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Link Road**

**PIPE CULVERTS**

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

CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE

PIPE CULVERT

STRUCTURE WORK

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

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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>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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **DETAIL OF RETAINING WALL**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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>	310.80		
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>	31.08		
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>	102.48		
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>	95.40		
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>	19.788		
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Detail Quantities**

**1-Structural Excavation**

S No.	RD		No.	Length		Depth	Quantity ( CM )
	From	To					
1			1	70.0	2.590	1.000	181.300
2			1	50.0	2.590	1.000	129.500
				120.0			
<b>Total Quantity</b>							<b>310.80</b>

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Detail Quantities**

**2-Lean Concrete**

S No.	RD		No.	Length		Depth	Quantity ( CM )
	From	To					
1			1	70.00	2.590	0.10	18.13
2			1	50.00	2.590	0.10	12.95
<b>Total Quantity</b>							<b>31.08</b>

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Detail Quantities**

**Bed Concrete**

S No.	From	To	No.	Length		Depth	Quantity ( CM )
R/Wall (Bed Under Ground)							
1			1	70.0	2.440	0.350	59.780
2			1	50.0	2.440	0.350	42.700
<b>Total Quantity</b>							<b>102.480</b>

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Detail Quantities**

**Walls Concrete**

S No.	From	To	No.	Length		Depth	Quantity ( CM )
R/Wall (Wall On Ground)							
1			1	70.0	0.300	2.650	55.650
2			1	50.0	0.300	2.650	39.750
<b>Total Quantity</b>							<b>95.400</b>

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**Detail Quantities of Steel**

S No.	RD		No.	Concrete (CM)	Steel (Kgs)
	From	To			
1			1	115.430	11543.00
2			1	82.450	8245.00
<b>Total Quantity (Kgs)</b>					<b>19788.00</b>
<b>Total Quantity (Tonnes)</b>					<b>19.79</b>

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

CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE

PCC Retaining Wall/ Brast Wall					Remarks
No.	Description	Unit	Length	Amount (Pak Rs.)	
1	PCC Retaining Wall / Brast Wall	Rm	50.00		
TOTAL					

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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 <b>(S.I. NO.3-21b ii)</b>	Cum		50.00	1.20	1.40	84.00	
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4"(19mm) & downgauge in foundation including leveling, compacting and curing. <b>(1:4:8)</b> <b>(S.I.No.5-8e)</b>	Cum		50.00	1.20	0.10	6.00	
3	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4"(19mm) & downgauge in foundation including leveling, compacting and curing. <b>(1:2:4)</b> <b>(S.I.No.5-8c)</b>	Cum		50.00	1.00	0.30	15.00	
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 <b>(1:2:4).</b> <b>(S.I.No. 5-13c)</b>	Cum		50.00	0.45	2.00	45.00	
			Total Rs.					
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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			8	1	30	2.00	3.606	
2			13	1	20	2.00	3.606	

LENGTH (M) 50

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

<b>PCC Drain</b>				<b>Remarks</b>
<b>No.</b>	<b>Description</b>	<b>Unit</b>	<b>Amount (Pak Rs.)</b>	
1	PCC Side Drain	95.00		
<b>TOTAL</b>				

**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)  
CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**PCC Side Drain**

S.No	DESCRIPTION	L	B	D/H	QTY	Unit	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) Ordinary Soil (S.I. NO.3-21b ii)	95.00	0.724	0.10	6.88	Cum		
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)	95.00	0.724	0.10	6.88	Cum		
3	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. (1:2:4). (S.I.No. 5-5a)	95.00	2.57	0.15	36.64	Cum		
							Total Rs.	-
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

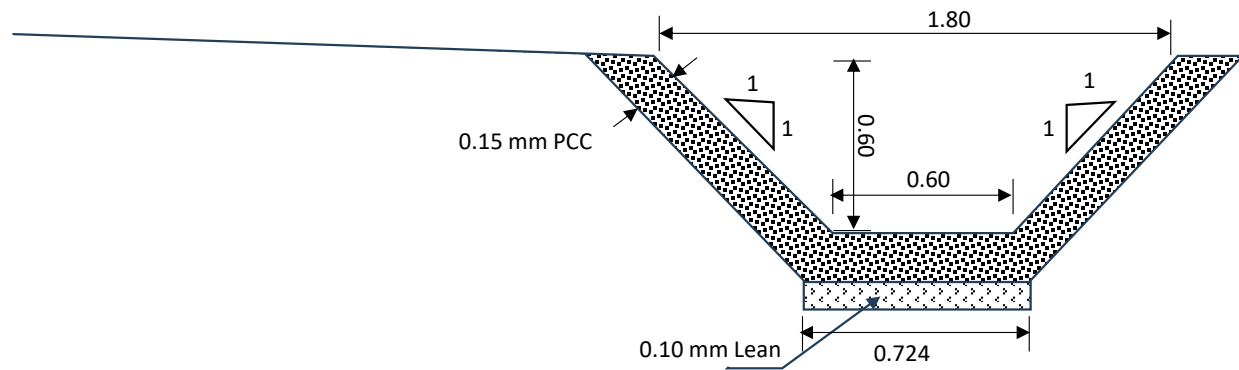
**SCHEDULE OF PCC Drain**

<b>S.No</b>	<b>CHAINAGE FROM TO</b>		<b>Side</b>	<b>LENGTH (M)</b>	<b>T. LENGTH (M)</b>	<b>Remarks</b>
1			2	20	40	
2			1	25	25	
3			1	30	30	

LENGTH (M) 95

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**



**SECTION OF  
SIDE DRAIN**

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

**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**

# **PARAPET WALLS**

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

CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE

S.NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT PK RS.
1	PCC Parapet Wall	No.	11		
<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 B/T ROAD FROM EID GAH TO NARAK BRIDGE**

**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			11	1	11	5
2			15	1	15	6
						<b>11</b>

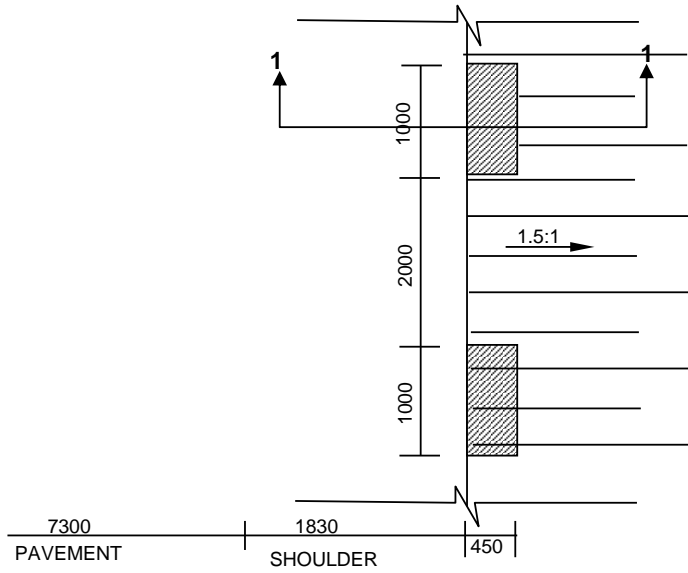
**GWADAR LASBELA LIVELIHOODS SUPPORT PROJECT PHASE-II (GLLSP-II)**  
**CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE**  
**BILL OF QUANTITIES**

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

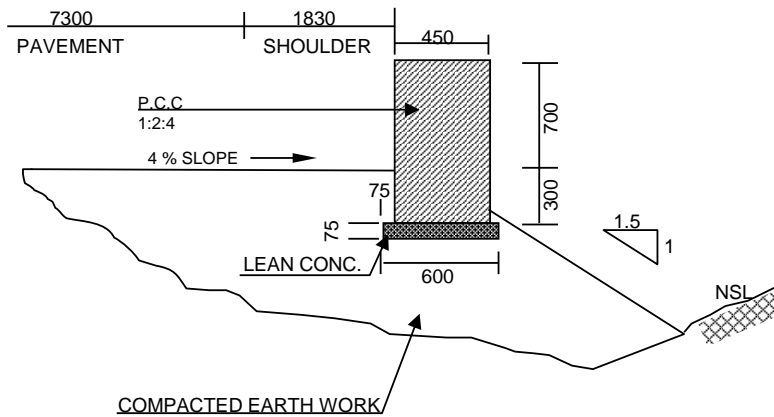
S.No	DESCRIPTION	NO	L	B	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) (S.I. NO.3-21iv)	1	1.000	0.600	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). (S.I. NO. 5-5c) 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). (S.I.No. 5- 13 c )	1	1.000	0.450	1.000	0.450 <b>0.450</b>	Cu.m		
<b>SUB.TOTAL</b>									
Above/ below ___% Premium if any on CSR 2023									
<b>G.TOTAL</b>									

**Government of Balochistan**

CONSTRUCTION OF B/T ROAD FROM EID GAH TO NARAK BRIDGE



**PLAN  
OF PARAPET WALL**



**SECTION 1-1  
OF PARAPET WALL**