



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0001**

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (East Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>A</b>	<b><u>ROAD AND HIGHWAY STRUCTURES, RAMPS</u></b>				
<b><u>Bill No 01: EARTH WORKS</u></b>					
101	Clearing and Grubbing	1,200.00	Sq.m	25.28	30,336.00
102a	Removal of trees 150- 300 mm. Girth	14.00	Each	416.27	5,827.78
102b	Removal of trees 301- 600 mm. Girth	6.00	Each	1,008.71	6,052.26
102c	Removal of trees 601 mm or over girth	5.00	Each	4,034.85	20,174.25
104	Compaction of natural ground	1,200.00	Sq.m	27.61	33,132.00
106a	Excavate unsuitable common material	126.50	Cum	361.18	45,689.27
107e	Common Backfill	25.00	Cum	246.37	6,159.25
108a	Formation of embankment from roadway excavation in common material	50.00	Cum	397.39	19,869.50
108c	Formation of embankment from borrow excavation in common material	910.00	Cum	445.92	405,787.20
108d	Formation of embankment from Structural excavation in common material	15.00	Cum	223.39	3,350.85
109a	Subgrade preparation in Earth Cut	30.00	Sq.m	76.61	2,298.30
<b>Total Amount of Bill No. 01 (Rs.)</b>					<b>578,676.66</b>
<b><u>Bill No 02: Sub base and Base Courses</u></b>					
201	Granular Sub base	152.00	Cum	1,460.39	221,979.28
202	Aggregate Base Course	50.00	Cum	1,896.71	94,835.50
209a	Breaking of Existing Road Pavement	75.00	Cum	607.93	45,594.75
304c	Tripple Surface Treatment	335.00	Sm	552.36	185,040.60
<b>Total Amount of Bill No. 02 (Rs.)</b>					<b>547,450.13</b>



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2015-16  
Shikarpur  
N-65  
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Item No.	Description	Qty	Unit	Rate	Amount
<b>Bill No 04: Structures</b>					
401a1ii	Concrete Class A-1 (on ground)	290.00	Cum	10,472.55	3,037,039.50
401f	Lean Concrete	176.00	Cum	5,553.91	977,488.16
404a	Reinforcement as per AASHTO M:31 , Grade 40	1.00	Ton	113,509.21	113,509.21
404b	Reinforcement as per AASHTO M:31 , Grade 60	4.00	Ton	116,134.21	464,536.84
411b	Stone Masonry Random with mortar	30.00	Cum	4,104.36	123,130.80
NSI-01	Sand Filling	32.00	Cum	2,048.56	65,553.92
NSI-02	Tuff Tiles 50mm thick	430.00	Sq.m	1,345.63	578,620.90
NSI-03	P & I Polythene sheet under Rigid Pavement of Specified quality i.e atleast 0.065 mm thick or having a minimum weight of gms mumerrazzo flooring 12mm thick	750.00	Sq.m	45.00	33,750.00
NSI-04	Making Vertical Joint with Rigid Pavemant & Flexible Pavement	192.00	Lm	575.00	110,400.00
<b>Total Amount of Bill No. 04 (Rs.)</b>					<b>5,504,029.33</b>
<b>Bill No 05: Drainage &amp; Erosion Control Works</b>					
401b	Concrete Class-B (Chutes, drain etc.)	3.00	Cum	7,281.91	21,845.73
501a	R.C.C Pipe Culvert aashto m 170 class ii dia 3	30.00	Lm	3,560.54	106,816.20
510	Dismantling of Structures & Obstructions	10.00	Cum	1,584.07	15,840.70
<b>Total Amount of Bill No. 05 (Rs.)</b>					<b>144,502.63</b>
<b>Bill No 06: Ancillary Works</b>					
601dii	Precast Curb in Concrete Class A-1 of Size 450x150 mm INCL. BEDDING &	297.00	M	1,006.55	298,945.35
NSI-01	Painting of Kerbs Stone	416.00	Sq.m	376.00	156,416.00
607a	Traffic Road Signs Rectangular Category - 1	2.00	Each	15,752.97	31,505.94
607b	Traffic Road Signs Rectangular Category - 2	2.00	Each	19,258.39	38,516.78
607e	Traffic Road Signs Rectangular Category - 3c	26.00	Sq.m	25,224.35	655,833.10
608h1	Pavement Marking with Reflective CR Paint (White & Yellow)	450.00	M	61.29	27,580.50
608j1	Pavement Marking with Reflective CR Paint for 4m Arrow	8.00	Each	596.45	4,771.60
609c	Reflectorized pavement Stud (Raised Profile Type Single)	270.00	Each	690.75	186,502.50
611a	Galvanized Wire Mesh Fence 1500 mm High Precast Prestressed R.C.C Posts complete in all respect	300.00	M	1,958.53	587,559.00
NSI-02	Cost of Filed Survey, Design, Detail Construction Drawings & Engineer Estimate	1.00	LS	160,000.00	160,000.00
<b>Total Amount of Bill No. 06 (Rs.)</b>					<b>2,147,630.77</b>
<b>SUB TOTAL AMOUNT "ROAD AND HIGHWAY STRUCTURES, RAMPS"(A)</b>					<b>8,922,292.00</b>



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**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (East Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>B</b>	<b><u>CIVLI WORKS</u></b>				
<b>BILL NO. 01 : BUILDING FOUNDATION / SUPER STRUCTURES</b>					
107a	Excavation for Foundation Trenches and	190.00	CM	246.37	46,810.30
1	Supply and Apply Anti Termite Spray	306.00	SM	75.36	23,060.16
401f	Provide and Lay Lean Concrete	28.00	CM	5,553.91	155,509.48
410	Providing and Laying First Class Brick	165.00	CM	7,182.26	1,185,072.90
2	Provide and Lay 50mm thick DPC	30.00	SM	699.73	20,991.90
3	Provide and Lay Vertical DPC	5.00	SM	721.26	3,606.30
108c	Providing and filling under Floor from	153.00	CM	445.92	68,225.76
108c (modified)	Providing and filling under Floor from <del>Borrow Excavation without Compaction</del>	35.00	CM	264.60	9,261.00
401a1iii	Provide and Lay RCC in Situ with Class-A1 Concrete	39.00	CM	10,917.00	425,763.00
404b	Supply, Fabricate and Fix Deformed Steel <del>Reinforcement Bars of Grade-60</del>	3.00	Ton	116,134.21	348,402.63
4	Providing and Laying Fair Faced Brick Gutca Set in Cement Sand (1:4) with all Material	256.00	SM	2,336.00	598,016.00
5	Roof treatment as per drawings	105.00	SM	950.00	99,750.00
6	Provide and Laying terazzo Flooring as per <del>draing. complete with all respect 38mm</del>	80.00	SM	10,291.34	823,307.20
7	Providing and Laying terazzo skirting as per <del>drawing &amp; specification</del>	72.00	M	141.00	10,152.00
8	Providing and Laying Glazed Ceramics Tiles <del>complete with all respect</del>	150.00	SM	2,874.26	431,139.00
9	Provide and Fix Aluminum Windows and Ventilator	30.00	SM	12,110.63	363,318.90
10	Provide and Fix 40mm Hollow Flush Door Single Leaf	26.00	SM	18,472.74	480,291.24
11	Provide and Fix Iron Grill dully Painted	30.00	SM	5,177.97	155,339.10
12	Shutter Gate 24 Swg for Generator Room	4.00	SM	3,260.00	13,040.00
13	Providing and Applying 13mm thick Cement <del>Sand Plaster at any height</del>	670.00	SM	462.90	310,143.00
14	Provide and Apply 3 Coats of Vinyle <del>Emulsion</del>	475.00	SM	279.89	132,947.75
15	Provide and Fix Khurras of 60mm x 600mm	2.00	No.	2,340.00	4,680.00
16	Provide and Fix 100mm diameter C.I Pipe for <del>Rain Water</del>	13.00	M	425.00	5,525.00
17	Providing and Fixing of cupboards and <del>Kitchen Cabinets</del>	16.00	SM	41,983.50	671,736.00
18	Provide and Installation Overhead Water <del>Tank Fiber as per drawing &amp; specification</del>	1.00	No.	62,050.00	62,050.00



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Type of Work  
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Maint: Unit  
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**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (East Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b><u>BILL NO. 01 : BUILDING FOUNDATION / SUPER STRUCTURES</u></b>					
19	Providing and Laying Khaprail Tiles	107.00	SM	1,200.00	128,400.00
20	Provide and Make under Ground Water Tank	1.00	No.	174,650.00	174,650.00
21	Sand Filling	82.00	CM	2,048.56	167,981.92
<b>TOTAL AMOUNT FOR BILL NO. 01</b>					<b>6,919,170.54</b>
<b><u>BILL NO. 02 : SANITARY WORKS</u></b>					
S-1	Providing and Fixing best quality local made Western type Water Closet (W/C)	2.00	No.	18,649.00	37,298.00
S-2	Providing and Fixing best quality local made Indian type Water Closet (W/C)	3.00	No.	1,980.00	5,940.00
S-3	Providing and Fixing best quality local made type Glazed earthenware Wash Hand Basin	4.00	No.	13,692.00	54,768.00
S-4	Providing and Fixing C.P 12mm dia Taps	8.00	No.	337.50	2,700.00
S-5	Providing and Fixing C.I Commercial Soil, Water and Pipe	16.00	M	370.00	5,920.00
S-6	b. 75mm dia	15.00	M	230.00	3,450.00
S-7	Providing and Fixing RCC Pipes with Collars of "A" Class 150mm dia	30.00	M	449.50	13,485.00
S-8	Providing and Fixing GI Pipes with Clamps, etc	60.00	M	262.50	15,750.00
S-9	b. 20mm dia	90.00	M	160.00	14,400.00
S-10	c. 12mm dia	160.00	M	150.00	24,000.00
S-11	Providing and Fixing Over Flow Pipe a. 25mm dia	5.00	M	525.00	2,625.00
S-12	Steel Sink best quality master or equivalent	1.00	No.	3,860.00	3,860.00
S-13	Providing & fixing Sink /basin mixer hot and cold best quality master or equivalent	5.00	No.	3,379.00	16,895.00
S-14	Providing & fixing CI Floor Trap 100mm inlet	10.00	No.	1,800.00	18,000.00
S-15	Providing & fixing 225 x 225 mm CI ceramic Gully Trap 100mm outlet	4.00	No.	4,940.00	19,760.00
S-16	Providing and Making Manholes as per Drawing	4.00	No.	20,800.00	83,200.00
S-17	Providing & fixing Cast Iron Vent Pipe complete	10.00	M	2,345.92	23,459.20



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Type of Work  
Financial Year  
Maint: Unit  
Route  
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**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (East Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
S-18	Providing & fixing flap Valve at end	1.00	No.	2,900.00	2,900.00
S-19	Providing & fixing Muslim Shower best quality master or equivalent	5.00	No.	1,996.00	9,980.00
S-20	Providing and Fixing 1/2 dia chrome plated Stop Cock best quality master or equivalent	8.00	No.	224.00	1,792.00
S-21	Providing and Fixing Bath Set Complete	5.00	No.	6,448.00	32,240.00
S-22	Providing and Fixing Bath Shower best quality master or equivalent	2.00	No.	7,350.00	14,700.00
S-23	Providing and Fixing Brass Stop Cock best quality master or equivalent	10.00	No.	875.00	8,750.00
S-24	Providing and Fixing Sui Gas Stove/Chullah	1.00	No.	3,000.00	3,000.00
S-25	Providing and making Septic Tank as per Drawing	1.00	No.	78,000.00	78,000.00
S-26	Providing and Making as per Drawing and Specification Soakage Pit of Brick Masonry	1.00	No.	171,500.00	171,500.00
<b>TOTAL AMOUNT FOR BILL NO. 02</b>					<b>668,372.20</b>
<b><u>BILL NO. 03 : ELECTRICAL WORKS</u></b>					
E-01	Stand by Generator 10 KVA	1.00	No.	850,000.00	850,000.00
E-02	P/F Submersible pump Or Injector Water pump I/C Boring Complete	1.00	No.	525,000.00	525,000.00
E-03	PVC/PVC Cable Copper Conductor Grade 600/1000 4 Core 25Sq mm PVC/PVC	20.00	M	2,625.00	52,500.00
E-04	B. AMFP to Distribution 4core 16 sq mm PVC/PVC	100.00	M	1,620.00	162,000.00
E-04	MECO Contrifugal Monoblock Pump SE2	1.00	No.	33,750.00	33,750.00
E-05	Wiring One Light Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5	20.00	No.	1,162.77	23,255.40
E-06	Wiring One Bell Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5	5.00	No.	1,162.77	5,813.85
E-07	Wiring One Fan Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5 Sq.mm	8.00	No.	1,162.77	9,302.16
E-08	Wiring of One- 3 Pin Socket Out 5 Amp	8.00	No.	1,346.49	10,771.92
E-09	Wiring of One-3 Pin Socket Out 15 Amp	6.00	No.	1,535.44	9,212.66
E-10	Switch 5 Amp Piano Type	50.00	No.	189.20	9,460.00
E-11	P/f Philips fitting Complete 1*40 watt Tube light,chokes starter complete in all respect	6.00	No.	9,076.00	54,456.00



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Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (East Bound)**

<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
E-12	Supply & installing P V C Conduite in Rcc & Bric Masonary	275.00	M	634.50	174,487.50
E-13	Supply and Installation Bracket Fan 18"	2.00	No.	3,240.00	6,480.00
E-14	Supply and Installation Ceiling Fans 56"	5.00	No.	7,394.00	36,970.00
E-15	Supply and Installation Exhaust Fans 24"	3.00	No.	9,076.00	27,228.00
E-16	Supply and Installation Emerald type outdoor Light	12.00	No.	1,755.00	21,060.00
E-17	Supply and Installation Combined Switch	9.00	No.	1,600.00	14,400.00
E-18	Supply and Installation Side Earth Sockets	1.00	No.	19,050.00	19,050.00
E-19	Supply and Installation Air Conditioner split unit mitsubishi or equal approved by the site Enginner	3.00	No.	81,600.00	244,800.00
E-20	Supply and Installation Electric Geysar approved by the site Enginner	2.00	No.	18,000.00	36,000.00
E-21	Supply and Installation to site Blower type Room Heater	3.00	No.	2,520.00	7,560.00
E-22	P/I ATS Panel with Generator complete with all respect	1.00	No.	263,800.00	263,800.00
E-23	P/I of Main Pannel for controlling WAPDA and Generator Power from Supply to Building	1.00	No.	282,132.50	282,132.50
	<b>TOTAL AMOUNT FOR BILL NO. 03</b>				<b>2,879,489.99</b>
	<b>SUB TOTAL AMOUNT (B)</b>				<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>				<b>19,389,325</b>



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## Summary of Bills of Quantities & Cost

Contract No. TPWS-SN-16-0001

Type of Work	<b>Construction of Weigh Station at Sultankot</b>
Financial Year	2015-16
Maint: Unit	Shikarpur
Route	N-65
Location	<b>Km 54~55 (East Bound)</b>

BILL NO.	ITEM OF WORK	Amount
<b>A</b>	<b>ROAD AND HIGHWAY STRUCTURES, RAMPS</b>	
1	Earth Work	578,676.66
2	Sub Base & Base Course	547,450.13
4	Structures	5,504,029.33
5	Drainage & Erosion Control Works	144,502.63
6	Ancillary Works	2,147,630.77
	<b>SUB TOTAL AMOUNT (A)</b>	<b>8,922,292.00</b>
<b>B</b>	<b>CIVIL WORKS</b>	
1	Building Foundation Structures	6,919,170.54
2	Sanitary Works	668,372.20
3	Electrical Works	2,879,489.99
	<b>SUB TOTAL AMOUNT (B)</b>	<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>	<b>19,389,325</b>

### TO BE QUOTED BY THE CONTRACTOR

At \_\_\_\_\_ % Above Engineer Estimate (Rs.)

% In Words \_\_\_\_\_ and Amount in Words \_\_\_\_\_

**OR**

At \_\_\_\_\_ % Below Engineer Estimate (Rs.)

% In Words \_\_\_\_\_ and Amount in Words \_\_\_\_\_

**Total Bid Amount** (Rs.)

In Words \_\_\_\_\_

**Name & Address of Contractor** \_\_\_\_\_

**Signature of Contractor** \_\_\_\_\_ **Date:** \_\_\_\_\_



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## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0002

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Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>A</b>	<b><u>ROAD AND HIGHWAY STRUCTURES, RAMPS</u></b>				
<b><u>Bill No 01: EARTH WORKS</u></b>					
101	Clearing and Grubbing	1,200.00	Sq.m	25.28	30,336.00
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102c	Removal of trees 601 mm or over girth	5.00	Each	4,034.85	20,174.25
104	Compaction of natural ground	1,200.00	Sq.m	27.61	33,132.00
106a	Excavate unsuitable common material	126.50	Cum	361.18	45,689.27
107e	Common Backfill	25.00	Cum	246.37	6,159.25
108a	Formation of embankment from roadway excavation in common material	50.00	Cum	397.39	19,869.50
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109a	Subgrade preparation in Earth Cut	30.00	Sq.m	76.61	2,298.30
<b>Total Amount of Bill No. 01 (Rs.)</b>					<b>578,676.66</b>
<b><u>Bill No 02: Sub base and Base Courses</u></b>					
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202	Aggregate Base Course	50.00	Cum	1,896.71	94,835.50
209a	Breaking of Existing Road Pavement	75.00	Cum	607.93	45,594.75
304c	Tripple Surface Treatment	335.00	Sm	552.36	185,040.60
<b>Total Amount of Bill No. 02 (Rs.)</b>					<b>547,450.13</b>





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N-65  
**Km 54~55 (West Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>Bill No 04: Structures</b>					
401a1ii	Concrete Class A-1 (on ground)	290.00	Cum	10,472.55	3,037,039.50
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404a	Reinforcement as per AASHTO M:31 , Grade 40	1.00	Ton	113,509.21	113,509.21
404b	Reinforcement as per AASHTO M:31 , Grade 60	4.00	Ton	116,134.21	464,536.84
411b	Stone Masonry Random with mortar	30.00	Cum	4,104.36	123,130.80
NSI-01	Sand Filling	32.00	Cum	2,048.56	65,553.92
NSI-02	Tuff Tiles 50mm thick	430.00	Sq.m	1,345.63	578,620.90
NSI-03	P & I Polythene sheet under Rigid Pavement of Specified quality i.e atleast 0.065 mm thick or having a minimum weight of gms mumerrazzo flooring 12mm thick	750.00	Sq.m	45.00	33,750.00
NSI-04	Making Vertical Joint with Rigid Pavemant & Flexible Pavement	192.00	Lm	575.00	110,400.00
<b>Total Amount of Bill No. 04 (Rs.)</b>					<b>5,504,029.33</b>
<b>Bill No 05: Drainage &amp; Erosion Control Works</b>					
401b	Concrete Class-B (Chutes, drain etc.)	3.00	Cum	7,281.91	21,845.73
501a	R.C.C Pipe Culvert aashto m 170 class ii dia 3	30.00	Lm	3,560.54	106,816.20
510	Dismantling of Structures & Obstructions	10.00	Cum	1,584.07	15,840.70
<b>Total Amount of Bill No. 05 (Rs.)</b>					<b>144,502.63</b>
<b>Bill No 06: Ancillary Works</b>					
601dii	Precast Curb in Concrete Class A-1 of Size 450x150 mm INCL. BEDDING &	297.00	M	1,006.55	298,945.35
NSI-01	Painting of Kerbs Stone	416.00	Sq.m	376.00	156,416.00
607a	Traffic Road Signs Rectangular Category - 1	2.00	Each	15,752.97	31,505.94
607b	Traffic Road Signs Rectangular Category - 2	2.00	Each	19,258.39	38,516.78
607e	Traffic Road Signs Rectangular Category - 3c	26.00	Sq.m	25,224.35	655,833.10
608h1	Pavement Marking with Reflective CR Paint (White & Yellow)	450.00	M	61.29	27,580.50
608j1	Pavement Marking with Reflective CR Paint for 4m Arrow	8.00	Each	596.45	4,771.60
609c	Reflectorized pavement Stud (Raised Profile Type Single)	270.00	Each	690.75	186,502.50
611a	Galvanized Wire Mesh Fence 1500 mm High Precast Prestressed R.C.C Posts complete in all respect	300.00	M	1,958.53	587,559.00
NSI-02	Cost of Filed Survey, Design, Detail Construction Drawings & Engineer Estimate	1.00	LS	160,000.00	160,000.00
<b>Total Amount of Bill No. 06 (Rs.)</b>					<b>2,147,630.77</b>
<b>SUB TOTAL AMOUNT "ROAD AND HIGHWAY STRUCTURES, RAMPS"(A)</b>					<b>8,922,292.00</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0002

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>B</b>	<b><u>CIVLI WORKS</u></b>				
<b>BILL NO. 01 : BUILDING FOUNDATION / SUPER STRUCTURES</b>					
107a	Excavation for Foundation Trenches and	190.00	CM	246.37	46,810.30
1	Supply and Apply Anti Termite Spray	306.00	SM	75.36	23,060.16
401f	Provide and Lay Lean Concrete	28.00	CM	5,553.91	155,509.48
410	Providing and Laying First Class Brick	165.00	CM	7,182.26	1,185,072.90
2	Provide and Lay 50mm thick DPC	30.00	SM	699.73	20,991.90
3	Provide and Lay Vertical DPC	5.00	SM	721.26	3,606.30
108c	Providing and filling under Floor from	153.00	CM	445.92	68,225.76
108c (modified)	Providing and filling under Floor from <del>Borrow Excavation without Compaction</del>	35.00	CM	264.60	9,261.00
401a1iii	Provide and Lay RCC in Situ with Class-A1 Concrete	39.00	CM	10,917.00	425,763.00
404b	Supply, Fabricate and Fix Deformed Steel <del>Reinforcement Bars of Grade-60</del>	3.00	Ton	116,134.21	348,402.63
4	Providing and Laying Fair Faced Brick Gutca Set in Cement Sand (1:4) with all Material	256.00	SM	2,336.00	598,016.00
5	Roof treatment as per drawings	105.00	SM	950.00	99,750.00
6	Provide and Laying terazzo Flooring as per <del>draing. complete with all respect 38mm</del>	80.00	SM	10,291.34	823,307.20
7	Providing and Laying terazzo skirting as per <del>drawing &amp; specification</del>	72.00	M	141.00	10,152.00
8	Providing and Laying Glazed Ceramics Tiles <del>complete with all respect</del>	150.00	SM	2,874.26	431,139.00
9	Provide and Fix Aluminum Windows and Ventilator	30.00	SM	12,110.63	363,318.90
10	Provide and Fix 40mm Hollow Flush Door Single Leaf	26.00	SM	18,472.74	480,291.24
11	Provide and Fix Iron Grill dully Painted	30.00	SM	5,177.97	155,339.10
12	Shutter Gate 24 Swg for Generator Room	4.00	SM	3,260.00	13,040.00
13	Providing and Applying 13mm thick Cement <del>Sand Plaster at any height</del>	670.00	SM	462.90	310,143.00
14	Provide and Apply 3 Coats of Vinyle <del>Emulsion</del>	475.00	SM	279.89	132,947.75
15	Provide and Fix Khurras of 60mm x 600mm	2.00	No.	2,340.00	4,680.00
16	Provide and Fix 100mm diameter C.I Pipe for <del>Rain Water</del>	13.00	M	425.00	5,525.00
17	Providing and Fixing of cupboards and <del>Kitchen Cabinets</del>	16.00	SM	41,983.50	671,736.00
18	Provide and Installation Overhead Water <del>Tank Fiber as per drawing &amp; specification</del>	1.00	No.	62,050.00	62,050.00



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0002**

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b><u>BILL NO. 01 : BUILDING FOUNDATION / SUPER STRUCTURES</u></b>					
19	Providing and Laying Khaprail Tiles	107.00	SM	1,200.00	128,400.00
20	Provide and Make under Ground Water Tank	1.00	No.	174,650.00	174,650.00
21	Sand Filling	82.00	CM	2,048.56	167,981.92
<b>TOTAL AMOUNT FOR BILL NO. 01</b>					<b>6,919,170.54</b>
<b><u>BILL NO. 02 : SANITARY WORKS</u></b>					
S-1	Providing and Fixing best quality local made Western type Water Closet (W/C)	2.00	No.	18,649.00	37,298.00
S-2	Providing and Fixing best quality local made Indian type Water Closet (W/C)	3.00	No.	1,980.00	5,940.00
S-3	Providing and Fixing best quality local made type Glazed earthenware Wash Hand Basin	4.00	No.	13,692.00	54,768.00
S-4	Providing and Fixing C.P 12mm dia Taps	8.00	No.	337.50	2,700.00
S-5	Providing and Fixing C.I Commercial Soil, Water and Pipe	16.00	M	370.00	5,920.00
S-6	b. 75mm dia	15.00	M	230.00	3,450.00
S-7	Providing and Fixing RCC Pipes with Collars of "A" Class 150mm dia	30.00	M	449.50	13,485.00
S-8	Providing and Fixing GI Pipes with Clamps, etc	60.00	M	262.50	15,750.00
S-9	b. 20mm dia	90.00	M	160.00	14,400.00
S-10	c. 12mm dia	160.00	M	150.00	24,000.00
S-11	Providing and Fixing Over Flow Pipe a. 25mm dia	5.00	M	525.00	2,625.00
S-12	Steel Sink best quality master or equivalent	1.00	No.	3,860.00	3,860.00
S-13	Providing & fixing Sink /basin mixer hot and cold best quality master or equivalent	5.00	No.	3,379.00	16,895.00
S-14	Providing & fixing CI Floor Trap 100mm inlet	10.00	No.	1,800.00	18,000.00
S-15	Providing & fixing 225 x 225 mm CI ceramic Gully Trap 100mm outlet	4.00	No.	4,940.00	19,760.00
S-16	Providing and Making Manholes as per Drawing	4.00	No.	20,800.00	83,200.00
S-17	Providing & fixing Cast Iron Vent Pipe complete	10.00	M	2,345.92	23,459.20



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0002**

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
S-18	Providing & fixing flap Valve at end	1.00	No.	2,900.00	2,900.00
S-19	Providing & fixing Muslim Shower best quality master or equivalent	5.00	No.	1,996.00	9,980.00
S-20	Providing and Fixing 1/2 dia chrome plated Stop Cock best quality master or equivalent	8.00	No.	224.00	1,792.00
S-21	Providing and Fixing Bath Set Complete	5.00	No.	6,448.00	32,240.00
S-22	Providing and Fixing Bath Shower best quality master or equivalent	2.00	No.	7,350.00	14,700.00
S-23	Providing and Fixing Brass Stop Cock best quality master or equivalent	10.00	No.	875.00	8,750.00
S-24	Providing and Fixing Sui Gas Stove/Chullah	1.00	No.	3,000.00	3,000.00
S-25	Providing and making Septic Tank as per Drawing	1.00	No.	78,000.00	78,000.00
S-26	Providing and Making as per Drawing and Specification Soakage Pit of Brick Masonry	1.00	No.	171,500.00	171,500.00
<b>TOTAL AMOUNT FOR BILL NO. 02</b>					<b>668,372.20</b>
<b><u>BILL NO. 03 : ELECTRICAL WORKS</u></b>					
E-01	Stand by Generator 10 KVA	1.00	No.	850,000.00	850,000.00
E-02	P/F Submersible pump Or Injector Water pump I/C Boring Complete	1.00	No.	525,000.00	525,000.00
E-03	PVC/PVC Cable Copper Conductor Grade 600/1000 4 Core 25Sq mm PVC/PVC	20.00	M	2,625.00	52,500.00
E-04	B. AMFP to Distribution 4core 16 sq mm PVC/PVC	100.00	M	1,620.00	162,000.00
E-04	MECO Centrifugal Monoblock Pump SE2	1.00	No.	33,750.00	33,750.00
E-05	Wiring One Light Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5	20.00	No.	1,162.77	23,255.40
E-06	Wiring One Bell Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5	5.00	No.	1,162.77	5,813.85
E-07	Wiring One Fan Point Controlled By One Switch wiring complete with PVC single Core Cable 1.5 Sq.mm	8.00	No.	1,162.77	9,302.16
E-08	Wiring of One- 3 Pin Socket Out 5 Amp	8.00	No.	1,346.49	10,771.92
E-09	Wiring of One-3 Pin Socket Out 15 Amp	6.00	No.	1,535.44	9,212.66
E-10	Switch 5 Amp Piano Type	50.00	No.	189.20	9,460.00
E-11	P/f Philips fitting Complete 1*40 watt Tube light, chokes starter complete in all respect	6.00	No.	9,076.00	54,456.00



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0002**

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
E-12	Supply & installing P V C Conduite in Rcc & Bric Masonary	275.00	M	634.50	174,487.50
E-13	Supply and Installation Bracket Fan 18"	2.00	No.	3,240.00	6,480.00
E-14	Supply and Installation Ceiling Fans 56"	5.00	No.	7,394.00	36,970.00
E-15	Supply and Installation Exhaust Fans 24"	3.00	No.	9,076.00	27,228.00
E-16	Supply and Installation Emerald type outdoor Light	12.00	No.	1,755.00	21,060.00
E-17	Supply and Installation Combined Switch	9.00	No.	1,600.00	14,400.00
E-18	Supply and Installation Side Earth Sockets	1.00	No.	19,050.00	19,050.00
E-19	Supply and Installation Air Conditioner split unit mitsubishi or equal approved by the site Enginner	3.00	No.	81,600.00	244,800.00
E-20	Supply and Installation Electric Geysar approved by the site Enginner	2.00	No.	18,000.00	36,000.00
E-21	Supply and Installation to site Blower type Room Heater	3.00	No.	2,520.00	7,560.00
E-22	P/I ATS Panel with Generator complete with all respect	1.00	No.	263,800.00	263,800.00
E-23	P/I of Main Pannel for controlling WAPDA and Generator Power from Supply to Building	1.00	No.	282,132.50	282,132.50
	<b>TOTAL AMOUNT FOR BILL NO. 03</b>				<b>2,879,489.99</b>
	<b>SUB TOTAL AMOUNT (B)</b>				<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>				<b>19,389,325</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Summary of Bills of Quantities & Cost

Contract No. TPWS-SN-16-0002

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Sultankot**  
2015-16  
Shikarpur  
N-65  
**Km 54~55 (West Bound)**

BILL NO.	ITEM OF WORK	Amount
<b>A</b>	<b>ROAD AND HIGHWAY STRUCTURES, RAMPS</b>	
1	Earth Work	578,676.66
2	Sub Base & Base Course	547,450.13
4	Structures	5,504,029.33
5	Drainage & Erosion Control Works	144,502.63
6	Ancillary Works	2,147,630.77
	<b>SUB TOTAL AMOUNT (A)</b>	<b>8,922,292.00</b>
<b>B</b>	<b>CIVIL WORKS</b>	
1	Building Foundation Structures	6,919,170.54
2	Sanitary Works	668,372.20
3	Electrical Works	2,879,489.99
	<b>SUB TOTAL AMOUNT (B)</b>	<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>	<b>19,389,325</b>

### TO BE QUOTED BY THE CONTRACTOR

At \_\_\_\_\_ % Above Engineer Estimate (Rs.)   
% In Words \_\_\_\_\_ and Amount in Words \_\_\_\_\_

**OR**

At \_\_\_\_\_ % Below Engineer Estimate (Rs.)   
% In Words \_\_\_\_\_ and Amount in Words \_\_\_\_\_

**Total Bid Amount** (Rs.)

In Words \_\_\_\_\_

**Name & Address of Contractor** \_\_\_\_\_

**Signature of Contractor** \_\_\_\_\_ **Date:** \_\_\_\_\_



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0003**

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Ranipur**  
2015-16  
Moro  
N-5  
**Km 409~411 (North Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>A</b>	<b><u>ROAD AND HIGHWAY STRUCTURES, RAMPS</u></b>				
<b><u>Bill No 01: EARTH WORKS</u></b>					
101	Clearing and Grubbing	1,200.00	Sq.m	25.28	30,336.00
102a	Removal of trees 150- 300 mm. Girth	14.00	Each	416.27	5,827.78
102b	Removal of trees 301- 600 mm. Girth	6.00	Each	1,008.71	6,052.26
102c	Removal of trees 601 mm or over girth	5.00	Each	4,034.85	20,174.25
104	Compaction of natural ground	1,200.00	Sq.m	27.61	33,132.00
106a	Excavate unsuitable common material	126.50	Cum	361.18	45,689.27
107e	Common Backfill	25.00	Cum	246.37	6,159.25
108a	Formation of embankment from roadway excavation in common material	50.00	Cum	397.39	19,869.50
108c	Formation of embankment from borrow excavation in common material	910.00	Cum	445.92	405,787.20
108d	Formation of embankment from Structural excavation in common material	15.00	Cum	223.39	3,350.85
109a	Subgrade preparation in Earth Cut	30.00	Sq.m	76.61	2,298.30
<b>Total Amount of Bill No. 01 (Rs.)</b>					<b>578,676.66</b>
<b><u>Bill No 02: Sub base and Base Courses</u></b>					
201	Granular Sub base	152.00	Cum	1,183.09	179,829.68
202	Aggregate Base Course	50.00	Cum	1,653.60	82,680.00
209a	Breaking of Existing Road Pavement	75.00	Cum	607.93	45,594.75
304c	Tripple Surface Treatment	335.00	Sm	545.61	182,779.35
<b>Total Amount of Bill No. 02 (Rs.)</b>					<b>490,883.78</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0003

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Ranipur**  
2015-16  
Moro  
N-5  
**Km 409~411 (North Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>Bill No 04: Structures</b>					
401aii	Concrete Class A-1 (on ground)	290.00	Cum	10,747.42	3,116,751.80
401f	Lean Concrete	176.00	Cum	5,800.72	1,020,926.72
404a	Reinforcement as per AASHTO M:31 , Grade 40	1.00	Ton	113,340.79	113,340.79
404b	Reinforcement as per AASHTO M:31 , Grade 60	4.00	Ton	115,965.79	463,863.16
411b	Stone Masonry Random with mortar	30.00	Cum	3,830.36	114,910.80
NSI-01	Sand Filling	32.00	Cum	2,048.56	65,553.92
NSI-02	Tuff Tiles 50mm thick	430.00	Sq.m	1,345.63	578,620.90
NSI-03	P & I Polythene sheet under Rigid Pavement of Specified quality i.e atleast 0.065 mm thick or having a minimum weight of gms mumerrazzo flooring 12mm thick	750.00	Sq.m	45.00	33,750.00
NSI-04	Making Vertical Joint with Rigid Pavemant & Flexible Pavement	192.00	Lm	575.00	110,400.00
<b>Total Amount of Bill No. 04 (Rs.)</b>					<b>5,618,118.09</b>
<b>Bill No 05: Drainage &amp; Erosion Control Works</b>					
401b	Concrete Class-B (Chutes, drain etc.)	3.00	Cum	7,579.08	22,737.24
501a	R.C.C Pipe Culvert aashto m 170 class ii dia 310mm	30.00	Lm	3,559.09	106,772.70
510	Dismantling of Structures & Obstructions	10.00	Cum	1,584.07	15,840.70
<b>Total Amount of Bill No. 05 (Rs.)</b>					<b>145,350.64</b>
<b>Bill No 06: Ancillary Works</b>					
601dii	Precast Curb in Concrete Class A-1 of Size 450x150 mm INCL. BEDDING & HAUNCHING	297.00	M	1,031.06	306,224.82
NSI-01	Painting of Kerbs Stone	416.00	Sq.m	376.00	156,416.00
607a	Traffic Road Signs Rectangular Category - 1	2.00	Each	15,778.88	31,557.76
607b	Traffic Road Signs Rectangular Category - 2	2.00	Each	19,297.25	38,594.50
607e	Traffic Road Signs Rectangular Category - 3c	26.00	Sq.m	25,247.56	656,436.56
608h1	Pavement Marking with Reflective CR Paint (White & Yellow)	450.00	M	61.29	27,580.50
608j1	Pavement Marking with Reflective CR Paint for 4m Arrow	8.00	Each	596.45	4,771.60
609c	Reflectorized pavement Stud (Raised Profile Type Single)	270.00	Each	690.75	186,502.50
611a	Galvanized Wire Mesh Fence 1500 mm High Precast Prestressed R.C.C Posts complete in all	300.00	M	1,792.43	537,729.00
NSI-02	Cost of Filed Survey, Design, Detail Construction Drawings & Engineer Estimate	1.00	LS	160,000.00	160,000.00
<b>Total Amount of Bill No. 06 (Rs.)</b>					<b>2,105,813.24</b>
<b>SUB TOTAL AMOUNT "ROAD AND HIGHWAY STRUCTURES, RAMPS"(A)</b>					<b>8,938,846.00</b>





# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0003

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Ranipur**  
2015-16  
Moro  
N-5  
**Km 409~411 (North Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>B</b>	<b><u>CIVIL WORKS</u></b>				
<b><u>BILL NO. 01 : BUILDING FOUNDATION / SUPER STRUCTURES</u></b>					
107a	Excavation for Foundation Trenches and Drains	190.00	CM	246.37	46,810.30
1	Supply and Apply Anti Termite Spray	306.00	SM	75.36	23,060.16
401f	Provide and Lay Lean Concrete	28.00	CM	5,553.91	155,509.48
410	Providing and Laying First Class Brick Masonry	165.00	CM	7,182.26	1,185,072.90
2	Provide and Lay 50mm thick DPC	30.00	SM	699.73	20,991.90
3	Provide and Lay Vertical DPC	5.00	SM	721.26	3,606.30
108c	Providing and filling under Floor from Borrow	153.00	CM	445.92	68,225.76
108c (modified)	Providing and filling under Floor from Borrow Excavation without Compaction	35.00	CM	264.60	9,261.00
401a1iii	Provide and Lay RCC in Situ with Class-A1 Concrete	39.00	CM	10,917.00	425,763.00
404b	Supply, Fabricate and Fix Deformed Steel Reinforcement Bars of Grade-60	3.00	Ton	116,134.21	348,402.63
4	Providing and Laying Fair Faced Brick Gutca Set in Cement Sand (1:4) with all Material	256.00	SM	2,336.00	598,016.00
5	Roof treatment as per drawings	105.00	SM	950.00	99,750.00
6	Provide and Laying terazzo Flooring as per draing, complete with all respect 38mm	80.00	SM	10,291.34	823,307.20
7	Providing and Laying terazzo skirting as per drawing & specification	72.00	M	141.00	10,152.00
8	Providing and Laying Glazed Ceramics Tiles complete with all respect	150.00	SM	2,874.26	431,139.00
9	Provide and Fix Aluminum Windows and Ventilator	30.00	SM	12,110.63	363,318.90
10	Provide and Fix 40mm Hollow Flush Door Single Leaf	26.00	SM	18,472.74	480,291.24
11	Provide and Fix Iron Grill dully Painted	30.00	SM	5,177.97	155,339.10
12	Shutter Gate 24 Swg for Generator Room	4.00	SM	3,260.00	13,040.00
13	Providing and Applying 13mm thick Cement Sand Plaster at any height	670.00	SM	462.90	310,143.00
14	Provide and Apply 3 Coats of Vinyle Emulsion	475.00	SM	279.89	132,947.75
15	Provide and Fix Khurras of 60mm x 600mm	2.00	No.	2,340.00	4,680.00
16	Provide and Fix 100mm diameter C.I Pipe for Rain Water	13.00	M	425.00	5,525.00
17	Providing and Fixing of cupboards and Kitchen Cabinets	16.00	SM	41,983.50	671,736.00
18	Provide and Installation Overhead Water Tank Fiber as per drawing & specification	1.00	No.	62,050.00	62,050.00
19	Providing and Laying Khaprail Tiles	107.00	SM	1,200.000	128,400.00
20	Provide and Make under Ground Water Tank	1.00	No.	174,650.00	174,650.00
21	Sand Filling	82.00	CM	2,048.56	167,981.92
<b>TOTAL AMOUNT FOR BILL NO. 01</b>					<b>6,919,170.54</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0003

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Ranipur**  
2015-16  
Moro  
N-5  
**Km 409~411 (North Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>BILL NO. 02 : SANITARY WORKS</b>					
S-1	Providing and Fixing best quality local made Western type Water Closet (W/C)	2.00	No.	18,649.00	37,298.00
S-2	Providing and Fixing best quality local made Indian type Water Closet (W/C)	3.00	No.	1,980.00	5,940.00
S-3	Providing and Fixing best quality local made type Glazed earthenware Wash Hand Basin	4.00	No.	13,692.00	54,768.00
S-4	Providing and Fixing C.P 12mm dia Taps	8.00	No.	337.50	2,700.00
S-5	Providing and Fixing C.I Commercial Soil, Water and Pipe	16.00	M	370.00	5,920.00
S-6	b. 75mm dia	15.00	M	230.00	3,450.00
S-7	Providing and Fixing RCC Pipes with Collars of "A" Class 150mm dia	30.00	M	449.50	13,485.00
S-8	Providing and Fixing GI Pipes with Clamps, etc a. 25mm dia	60.00	M	262.50	15,750.00
S-9	b. 20mm dia	90.00	M	160.00	14,400.00
S-10	c. 12mm dia	160.00	M	150.00	24,000.00
S-11	Providing and Fixing Over Flow Pipe a. 25mm dia	5.00	M	525.00	2,625.00
S-12	Steel Sink best quality master or equivalent	1.00	No.	3,860.00	3,860.00
S-13	Providing & fixing Sink /basin mixer hot and cold best quality master or equivalent	5.00	No.	3,379.00	16,895.00
S-14	Providing & fixing CI Floor Trap 100mm inlet	10.00	No.	1,800.00	18,000.00
S-15	Providing & fixing 225 x 225 mm CI ceramic Gully Trap 100mm outlet	4.00	No.	4,940.00	19,760.00
S-16	Providing and Making Manholes as per Drawing	4.00	No.	20,800.00	83,200.00
S-17	Providing & fixing Cast Iron Vent Pipe complete	10.00	M	2,345.92	23,459.20
S-18	Providing & fixing flap Valve at end	1.00	No.	2,900.00	2,900.00
S-19	Providing & fixing Muslim Shower best quality master or equivalent	5.00	No.	1,996.00	9,980.00
S-20	Providing and Fixing 1/2 dia chrome plated Stop Cock best quality master or equivalent	8.00	No.	224.00	1,792.00
S-21	Providing and Fixing Bath Set Complete	5.00	No.	6,448.00	32,240.00
S-22	Providing and Fixing Bath Shower best quality master or equivalent	2.00	No.	7,350.00	14,700.00
S-23	Providing and Fixing Brass Stop Cock best quality master or equivalent	10.00	No.	875.00	8,750.00
S-24	Providing and Fixing Sui Gas Stove/Chullah	1.00	No.	3,000.00	3,000.00
S-25	Providing and making Septic Tank as per	1.00	No.	78,000.00	78,000.00
S-26	Providing and Making as per Drawing and Specification Soakage Pit of Brick Masonry	1.00	No.	171,500.00	171,500.00
<b>TOTAL AMOUNT FOR BILL NO. 02</b>					<b>668,372.20</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost Contract No. TPWS-SN-16-0003

Type of Work  
Financial Year  
Maint: Unit  
Route  
Location

**Construction of Weigh Station at Ranipur**  
2015-16  
Moro  
N-5  
**Km 409~411 (North Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
<b>BILL NO. 03 : ELECTRICAL WORKS</b>					
E-01	Stand by Generator 10 KVA	1.00	No.	850,000.00	850,000.00
E-02	P/F Submersible pump Or Injector Water pump I/C Boring Complete	1.00	No.	525,000.00	525,000.00
E-03	PVC/PVC Cable Copper Conductor Grade 600/1000 4 Core 25Sq mm PVC/PVC	20.00	M	2,625.00	52,500.00
	B. AMFP to Distribution 4core 16 sq mm PVC/PVC	100.00	M	1,620.00	162,000.00
E-04	MECO Contrifugal Monoblock Pump SE2	1.00	No.	33,750.00	33,750.00
E-05	Wiring One Light Point Controled By One Switch wiring complete with PVC single Core Cable 1.5 Sq.mm	20.00	No.	1,162.77	23,255.40
E-06	Wiring One Bell Point Controled By One Switch wiring complete with PVC single Core Cable 1.5 Sq.mm	5.00	No.	1,162.77	5,813.85
E-07	Wiring One Fan Point Controled By One Switch wiring complete with PVC single Core Cable 1.5 Sq.mm	8.00	No.	1,162.77	9,302.16
E-08	Wiring of One- 3 Pin Socket Out 5 Amp	8.00	No.	1,346.49	10,771.92
E-09	Wiring of One-3 Pin Socket Out 15 Amp	6.00	No.	1,535.44	9,212.66
E-10	Switch 5 Amp Piano Type	50.00	No.	189.20	9,460.00
E-11	P/f Philips fitting Complete 1*40 watt Tube light,chokes starter complete in all respect	6.00	No.	9,076.00	54,456.00
E-12	Supply & installing P V C Conduite in Rcc & Bric Masonary	275.00	M	634.50	174,487.50
E-13	Supply and Installation Bracket Fan 18"	2.00	No.	3,240.00	6,480.00
E-14	Supply and Installation Ceiling Fans 56"	5.00	No.	7,394.00	36,970.00
E-15	Supply and Installation Exhaust Fans 24"	3.00	No.	9,076.00	27,228.00
E-16	Supply and Installation Emerald type outdoor Light	12.00	No.	1,755.00	21,060.00
E-17	Supply and Installation Combined Switch	9.00	No.	1,600.00	14,400.00
E-18	Supply and Installation Side Earth Sockets	1.00	No.	19,050.00	19,050.00
E-19	Supply and Installation Air Conditioner split unit mitsubishi or equal approved by the site Enginner	3.00	No.	81,600.00	244,800.00
E-20	Supply and Installation Electric Geyser approved by the site Enginner	2.00	No.	18,000.00	36,000.00
E-21	Supply and Installation to site Blower type Room Heater	3.00	No.	2,520.00	7,560.00
E-22	P/I ATS Panel with Generator complete with all respect	1.00	No.	263,800.00	263,800.00
E-23	P/I of Main Pannel for controlling WAPDA and Generator Power from Supply to Building	1.00	No.	282,132.50	282,132.50
	<b>TOTAL AMOUNT FOR BILL NO. 03</b>				<b>2,879,491</b>
	<b>SUB TOTAL AMOUNT (B)</b>				<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>				<b>19,405,879</b>



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Summary of Bills of Quantities & Cost

Contract No. TPWS-SN-16-0003

Type of Work

**Construction of Weigh Station at Ranipur**

Financial Year

2015-16

Maint: Unit

Moro

Route

N-5

Location

**Km 409~411 (North Bound)**

BILL NO.	ITEM OF WORK	Amount
<b>A</b>	<b>ROAD AND HIGHWAY STRUCTURES, RAMPS</b>	
1	Earth Work	578,676.66
2	Sub Base & Base Course	490,883.78
4	Structures	5,618,118.09
5	Drainage & Erosion Control Works	145,350.64
6	Ancillary Works	2,105,813.24
	<b>SUB TOTAL AMOUNT (A)</b>	<b>8,938,846.00</b>
<b>B</b>	<b>CIVIL WORKS</b>	
1	Building Foundation Structures	6,919,170.54
2	Sanitary Works	668,372.20
3	Electrical Works	2,879,490.99
	<b>SUB TOTAL AMOUNT (B)</b>	<b>10,467,033</b>
	<b>GRAND TOTAL AMOUNT (A+B)</b>	<b>19,405,879</b>

### TO BE QUOTED BY THE CONTRACTOR

At \_\_\_\_\_ % Above Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and

Amount in Words \_\_\_\_\_

**OR**

At \_\_\_\_\_ % Below Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and

Amount in Words \_\_\_\_\_

**Total Bid Amount**

(Rs.)

In Words \_\_\_\_\_

**Name & Address of Contractor** \_\_\_\_\_

**Signature of Contractor** \_\_\_\_\_

Date: \_\_\_\_\_



# **NATIONAL HIGHWAY AUTHORITY**

Office of The General Manager (Sindh North)  
NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## **Abstract of Bill of Quantities & Cost**

**Contract No. TPWS-SN-16-0004**

Type of Work	<b>Repair / Maintenance of Ranipur Weigh Station</b>
Financial Year	2015-16
Maint: Unit	Moro
Route	N-5
Location	<b>Km 409~410 (South Bound)</b>

Item No.	Description	Qty	Unit	Rate	Amount
307a	Dense Graded Hot Bitmac	85.725	CM	13,621.70	1,167,720.2
401b	Concrete Class-B	19.428	CM	7,579.08	147,246.4
510	Dismantling of Structures & Obstructions.	44.94	CM	1,584.07	71,183.4
601dii	Precast Curb in Concrete Class-A1 of Size 450x150 mm Incl. Bedding & Haunching.	98.00	M	1,031.06	101,043.9
NSI	Supply & Fixing of Tough Tiles with sand cushion, levelling, dressing & compaction.	185.40	SM	2,286.50	423,922.4
NSI-1	Supply & Fixing of Tiles. Job includes removal of old and broken tiles. Pointing,	108.41	SM	2,690.00	291,618.6
NSI-2	Apply 03 Coats Distumber as specified. Job includes removal of old and faded paint.	763.54	SM	295.90	225,930.7
NSI-3	Supply & Fixing of Kitchen Wooden Cabinet i/c all accessories.	3.001	SM	8,070.00	24,216.8
NSI-4	S/F Saver Bulbs (23 Watt Phillips) includes holders, wiring. Complete in all respects	50.00	Each	312.50	15,625.0
NSI-5	Supply, fixing of Bracket Fans (Pak or equivalent). Job includes wiring, cabling. Complete in all respects.	2.00	Each	3,125.00	6,250.0
NSI-6	Supply, fixing of Exhaust Fans (Pak or equivalent). Job includes wiring, cabling. Complete in all respects.	5.00	Each	2500.00	12,500.0
NSI-7	Supply & Fixing of Building Doors with Complete Accessories.	4.000	Each	5000.0	20,000.0
NSI-8	Paint By Brush Enamel 3 coats. Job includes removal of old and faded paint.	230.03	SM	350.00	80,511.8
NSI-9	Supply and Fix Cast iron Main Hole Cover.	8.00	Each	5625.00	45,000.0
NSI-10	S/F 04 Core Cable (Copper). Job includes testing/ commissioning. Complete in all respects.	500.00	M	1500.00	750,000.0
NSI-11	S/F Bulb 200 Watt with Chowk. Complete in all respects.	10.00	Each	1750.00	17,500.0



# NATIONAL HIGHWAY AUTHORITY

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## Abstract of Bill of Quantities & Cost

Contract No. TPWS-SN-16-0004

Type of Work

**Repair / Maintenance of Ranipur Weigh Station**

Financial Year

2015-16

Maint: Unit

Moro

Route

N-5

Location

**Km 409~410 (South Bound)**

Item No.	Description	Qty	Unit	Rate	Amount
NSI-12	Supply & Fixing of Wash Room Equipment 12 Elbow Plan 3/4', 06-T 1/2x3/4 Brass, 06-Elbow 1/2 x 3/4 Brass, 06-T 3/4 Plan, 04-Pipe 3/4 PPR, 01-Mixer Point, 03-P-Trip 4" Medium, 01 Pipe PVC 3", 02-Y-T 3", 04-Forty Five Band, 02-Solution 118 ml, 01-Basin Complete, 01-Wall Shower Set, 01-Flash Tank, 01-Bolt Kit, 02-Jali 6x6, 01-W.C Medium, 01-Flash Band, 01-Muslim Showr. Supply & Fixing of Kitchen Item (1-Sink Mixer, 1-Sink 18x36", 01-PVC Pipe 6".	4.00	Each	37500.0	150,000.0
<b>TOTAL AMOUNT (Rs.)</b>					<b>3,550,269</b>

### TO BE QUOTED BY THE CONTRACTOR

At \_\_\_\_\_ % Above Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and

Amount in Words \_\_\_\_\_

**OR**

At \_\_\_\_\_ % Below Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and

Amount in Words \_\_\_\_\_

**Total Bid Amount**

(Rs.)

In Words \_\_\_\_\_

**Name & Address of Contractor** \_\_\_\_\_

**Signature of Contractor** \_\_\_\_\_

Date: \_\_\_\_\_



# NATIONAL HIGHWAY AUTHORITY

Office of The General Manager (Sindh North)

NHA Complex Airport Road, Sukkur Tel: 071-5806237, Fax: 071-5806377

## Abstract of Bill of Quantities & Cost

Contract No. TPWS-SN-16-0005

Repair / Maintenance of Rohri Weigh Station

Type of Work

Financial Year

Maint: Unit

Route

Location

2015-16

Sukkur

N-5

Km 485~486 (North Bound)

Item No.	Description	Qty	Unit	Rate	Amount
510	Dismantling of Structures & Obstructions.	571.750	CM	1,584.07	905,692.0
401a1ii	Concrete Class A1 on Ground. Job includes chemical bonding of new and old concrete.	556.250	CM	10,651.45	5,924,869.1
410	Brick Work	21.00	CM	7,228.99	151,808.8
501a	RCC Pipe Culvert AASHTO M170 ClassII Dia 310mm	10.00	M	3,563.45	35,634.5
511a2	Dry Stone Pitching (20-25 cm thick)	27.75	SM	751.83	20,863.3
NSI (S-25)-1	Providing and making Septic Tank as per Drawing	1.00	Each	78,000.00	78,000.0
NSI (S-25)-2	Providing and Making as per Drawing and Specification Soakage Pit of Brick Masonry	1.00	Each	171,500.00	171,500.0
NSI-3	Supply & Fixing of Wooden Doors with Complete Accessories.	1.00	Each	5,000.00	5,000.0
NSI-4	Paint By Brush(Enamel 3 coats)	336.00	SM	350.00	117,600.0
<b>TOTAL AMOUNT (Rs.)</b>					<b>7,410,968</b>

### TO BE QUOTED BY THE CONTRACTOR

At \_\_\_\_\_ % Above Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and Amount in Words \_\_\_\_\_

**OR**

At \_\_\_\_\_ % Below Engineer Estimate

(Rs.)

% In Words \_\_\_\_\_

and Amount in Words \_\_\_\_\_

**Total Bid Amount**

(Rs.)

In Words \_\_\_\_\_

**Name & Address of Contractor** \_\_\_\_\_

**Signature of Contractor** \_\_\_\_\_

Date: \_\_\_\_\_