

Transmission-Pipelines Operations

Appendix-210

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Construction Equipment							
1	Air Compressor (Engine Operated)	01 No.	4,000,000	01 No.	4,000,000		
2	Portable generator set 10 KVA	01 No.	1,000,000	01 No.	1,000,000		
3	Portable Engine Driven Hydrostatic Test Pump	02 No.	1,000,000	02 No.	1,000,000		
4	Beveling Machine	02 Nos.	1,000,000	02 Nos.	1,000,000		
5	Tractor with Tines Tiller & blade	1 No.	2,200,000	1 No.	2,200,000		
6	Dewatering pump	02 Nos.	400,000	02 Nos.	400,000		
7	Hydrostatic testing pump (Manual)	02 Nos.	400,000	02 Nos.	400,000		
8	Oxy/Acetylene Cutting Torch, Complete Set along with accessories.	02 Nos.	180,000	02 Nos.	180,000		
9	Fork Lifter	1	3,000,000	1	3,000,000		
10	Mechanical pipe cold cutter (6~8" & 8~12" & 12-16")	Section-III and 01	1,400,000	04 Nos.	1,400,000		
			14,580,000		14,580,000		
Plant & Machinery/Electrical Appliances							
1	Flood Lights	25 Nos.	500,000	25 Nos.	500,000		
2	Installation of Solar Power security lights for 24" dia Pirkoh Line	L.S	1,200,000	L.S	1,200,000		
3	Installation of solar power security lights at various valve assemblies in Section-IV	10 No.	1,150,000	10 No.	1,150,000		
			2,850,000		2,850,000		
Plant & Machinery/Testing & Survey Equipment							
1	Pipeline Locators	04 Nos.	2,000,000	04 Nos.	2,000,000		
2	Portable Hardness Tester	01 No.	700,000	01 No.	700,000		
3	Ultrasonic Thickness Tester	3 Nos.	190,000	3 Nos.	190,000		
4	Digital Pit Gauge	2 Nos.	300,000	2 Nos.	300,000		
5	Gas leakage detector	3 Nos	300,000	3 Nos	300,000		
6	Tensile Strength Tester	01 No.	1,000,000	1 No.	1,000,000		

Capital Budget Proposals

FY 2018-19

(Regular CAPEX)

Transmission-Pipelines Operations

Appendix-210

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Metering Equipments			4,490,000		4,490,000		
1	Ultrasonic Gas flow / Velocity measuring Device	1 No.	3,000,000	1 No.	3,000,000		
2	Pressure Gauge Calibrator	04 No.	500,000	04 No.	500,000		
			3,500,000		3,500,000		
Transmission Mains/Rehabilitation of Transmission System							
1	To deal with any modification / unforeseen situation on Transmission System	-	50,000,000		50,000,000		
2	Lowering of 30", 36" & 18" dia (2000 Rft) at MP-148 - MP-149. (A5 Upstream)	2000 Rft	3,000,000	2000 Rft	3,000,000		
3	Lowering of 6" dia Ahmedpur line (1000 Rft) at MP-5.5		1,200,000		1,200,000		
4	Replacement of pitted D/S riser of 6" dia Ahmedpur line at Ahmedpur O/T V/A.		3,000,000		3,000,000		
5	Construction of Protective walls on both sides of ROW at MP 15.65 to MP 15.75 on 18"dia Kotli-Rahwali Line.		500,000		500,000		
6	Construction of Protective walls on both sides of ROW at MP 35.59 to MP 35.70 on 10"dia SKP-GRW Line.		2,500,000		2,500,000		
7	Construction of Protective walls on both sides of ROW at MP 97.60 to MP 97.80 on 10" dia B3-Rahwali Line.		700,000		700,000		
8	Construction of Protective works on both sides of ROW at MP 5.00 to MP 5.60 on 8" dia Okara-Depalpur Line.		2,500,000		2,500,000		

Transmission-Pipelines Operations

Appendix-210

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
9	Construction of Retaining wall at MP 36.10 on 10" dia SKP-GRW Line.		2,500,000		2,500,000		
10	Protective Work at different locations in Pabbi Area MP 165.00 to 170.00, Gujrat-Jhelum Line.		5,000,000		5,000,000		
11	Construction of Protective Walls Around V/A KSK.		200,000		200,000		
			71,100,000		71,100,000		
Tools & Equipment/Loose Tools							
1	Tail end and hammerhead spanners	Lot	500,000	Lot	500,000		
			500,000		500,000		
Land/ROW							
1	Purchase of land for approach road of V/A Zero Point Gujrat-Jhelum Line.	02 canal	4,500,000				
2	Purchase of land for approach road of V/A KM 23.52 and KM 43.74 of Nandipur Line.	20 Marla	4,000,000				
			4,000,000		0		
	Grand Total		104,885,000		100,885,000		

00000081

Transmission-Maintenance

Appendix-220

S.No.		Description	Total Requirement		Addition		Replacement	
			Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Workshop Plant & Equipment								
1	Heavy Duty Pallat Jack for Section II & IV		02 Nos.	200,000		02 Nos.	200,000	
				200,000			200,000	
Plant & Machinery/Electrical Equipment								
1	Battery Chargers for Section-I.		15 Nos.	700,000		15 Nos.	700,000	
				700,000			700,000	
Plant & Machinery/Power Plant & Equipment								
1	Upgradation of Control Panels in power house control room for Section-I.		Lot	1,500,000			Lot	1,500,000
				1,500,000				1,500,000
Plant & Machinery/Sundry Equipment								
1	Fiber Extension Ladder 30 FT for Section-I.		06 Nos.	400,000		06 Nos.	400,000	
2	Hydraulic operational ladder / hydraulic scissor lift for servicing and maintenace of over head pole / structure lights connection at HQ (T), Fsd.		01 No.	800,000		01 No.	800,000	
				1,200,000			1,200,000	
				3,600,000			2,100,000	1,500,000

Amount in Rs.

0000082

Transmission-Gas Control & Metering

Appendix-240

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Transmission Mains/Modifications/Upgradation of SMSs							
1	Modification of SMSs/Procurement of Metering fittings/equipment.	06 Job	40,000,000	06 Job	40,000,000		
			40,000,000		40,000,000		
Plant & Machinery/Electrical Equipment							
1	UPS for Online Gas Chromatograph (With surge protection)	2	1,400,000	2	1,400,000		
2	Soldering Station	1	100,000	1	100,000		
			1,500,000		1,500,000		
Plant & Machinery/Testing & Survey Equipment							
1	Battery Tester	1	50,000	1	50,000		
2	Gas Leakage Decetor	1	1,500,000	1	1,500,000		
			1,550,000		1,550,000		
Tools & Equipment/Loose Tools							
1	Loose Tools	Lot	1,500,000	Lot	1,500,000		
			1,500,000		1,500,000		
Plant & Machinery/Metering Equipments							
1	Flow Computers	10	7,000,000	10	7,000,000		
2	Electronic Volume Corrector	20	2,000,000	20	2,000,000		
3	Digital Pressure and Temperature Calibrator	2	4,000,000	2	4,000,000		
4	Online Gas Chromagraph (complete with accessories)	2	20,000,000	2	20,000,000		
5	Digital Pressure Gauge	4	800,000	4	800,000		
			33,800,000		33,800,000		
	Grand Total		78,350,000		78,350,000		

Amount in Rs.

Amount in Rs.

0000083

Compression

Appendix-250

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Workshop Plant & Equipment							
1	Digital Diagnostic and troubleshooting tool for G-3516 Caterpillar Genset at Compression Multan.	1	600,000	1	600,000		
2	Magnetic Drill required for various drilling applications at overhauling workshop in Multan area.	1	100,000	1	100,000		
3	Sand Paper belt grinding machine for grinding of turbine parts at machine shop.	1	100,000	1	100,000		
			800,000		800,000		
Plant & Machinery/Testing & Survey Equipment							
1	Pressure calibratorator with pneumatic pump for Test cell Multan.	1	750,000	1	750,000		
2	Documenting Process Calibratorator with all Accesories for Test cell Multan.	1	1,000,000	1	1,000,000		
3	Infrared thermo graphy meter for maintenance and trouble shooting of Gas Turbines.	2	100,000	2	100,000		
			1,850,000		1,850,000		
Plant & Machinery/Sundry Equipment							
1	Heavy duty lawn movers /grass cutting machines for compressor station BC-1.	1	70,000	1	70,000		
2	Fibre Folding ladder for Compressor Station Work Shops at Multan & BC-1,CC-1 CC-3 & FC-1.	6	120,000	6	120,000		
			190,000		190,000		
Plant & Machinery/Electrical Equipment							
1	High Pressure Water jet cleaning machine for compressor stations of FSD/Wah area required for cleaning of Turbine Skids.	2	80,000	2	80,000		
2	Explosion Proof Electrical Enclosures at Compressor Stations of FSD & Wah Area.	8	640,000	8	640,000		
			720,000		720,000		
			3,560,000		3,560,000		0

Corrission Control

Appendix-255

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	Digital pH Meter	2	230,000	2	230,000		
2	Measuring Wheel	10	100,000	10	100,000		
3	Insulation Tester	2	60,000	2	60,000		
4	Digital AC/DC Clamp on Meter (Japan Made)	6	300,000	5	250,000	1	50,000
5	Digital Earth Tester	2	20,000	2	20,000		
6	Soil Resistivity Meter (Megger)	1	130,000	1	130,000		
7	Hi-flow Sampler Equipment	1	4,000,000	1	4,000,000		
			4,840,000		4,790,000		50,000
Plant & Machinery/ CP Equipment							
1	Corrosion Voltmeters (LC-4.5) type	6	720,000	3	360,000	3	360,000
2	Pipeline locotr	3	1,200,000	3	1,200,000		
3	High Frequency Plastic Pipeline Locator	4	5,000,000	4	5,000,000		
4	Vehicle Mounted Gas Leak Detectors with Accessories	1	4,000,000	1	4,000,000		
			10,920,000		10,560,000		360,000
Plant & Machinery/ Electrical Equipment							
1	Electric Dust Blower	3	60,000	3	60,000		
2	Battery Charger 12 Volts	2	50,000	2	50,000		
			110,000		110,000		-
Tools & Equipment/ Loose Tools							
1	Crimping Tool	1	30,000	1	30,000		
			30,000		30,000		-
Plant & Machinery/ Workshop Plant & Equipment							
1	Drill Machine hand held	7	140,000	7	140,000		
			140,000		140,000		-
Construction Equipment/Construction Equipment							

Corrission Control

Appendix-255

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
1	Air Compressor	1	3,000,000	1	3,000,000	-	-
			3,000,000		3,000,000		-
	Grand Total		19,040,000		18,630,000		410,000

98000000

Metering Department (CMS)

Appendix-265

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/ Workshop Plant & Equipment							
1	Heavy Duty Bench Operated Drill Machine	2	500,000	2	500,000		
2	Pneumatic Power Tools	1	800,000	1	800,000		
3	Meter Washing System	1	300,000	1	300,000		
4	Air Compressor 35CFM	2	1,700,000	2	1,700,000		
5	Industrial Exhaust System	1	5,000,000	1	5,000,000		
			8,300,000		8,300,000		-
Tools & Equipment/Loose Tools							
1	Loose Tools	Lots	1,000,000	Lots	1,000,000		-
			1,000,000		1,000,000		
Plant & Machinery/Sundry Equipment							
1	Hydraulic Hand Pallet	10	500,000	10	500,000		
2	Meter Shifting Trollys	27	540,000	27	540,000		
3	Misc. (Temperature logger, Digital Pressure Calibrator, Digital	Lot	500,000	lot	500,000		
			1,540,000		1,540,000		-
Furniture & Fixture/Furniture & Fixture/							
1	Meter Management and Stacking System	-	20,000,000	-	20,000,000		
			20,000,000		20,000,000		-
			30,840,000		30,840,000		

00000087

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Workshop Plant & Equipment							
1	ANGLE DISC GRINDER/CUTTER	1	100,000	1	100,000		
2	HEAVY-DUTY DRILLING MACHINE WITH HAMMERING FEATURE & ORIGINAL BIT SET	1	150,000	1	150,000		
			250,000		250,000		-
Tools & Equipment/Loose Tools							
1	TELECOM TECHNICIAN TOOLKIT	2	100,000	2	100,000		
			100,000		100,000		-
Plant & Machinery/Testing & Survey Equipment							
1	DIGITAL PRECISION PRESSURE GAUGE	1	150,000	-	-	1	150,000
2	PRECISION-TYPE VARIABLE POWER SUPPLY (1 TO 60 VDC)	1	200,000	1	200,000		
3	MEGGER INSULATION TESTER	1	200,000	1	200,000		
4	PRECISION TEMPERATURE TEST GAUGE WITH RTD PROBE	1	500,000	1	500,000		
			1,050,000		900,000		150,000
Plant & Machinery/Electrical Equipment							
1	ISOLATED DC TO DC CONVERTER 48V - 12V	6	300,000	6	300,000		
2	ISOLATED DC TO DC CONVERTER 48V- 24V	12	600,000	12	600,000		
3	POWER SUPPLY 220VAC - 24 VDC	5	250,000	5	250,000		
4	SURGE PROTECTION SYSTEM FOR RADIO ROOMS	6	900,000	6	900,000		
			2,050,000		2,050,000		-
Telecom Equipment/Telecom Equipment							
1	UHF WALKIE TALKIE WITH TEXTING FEATURE	10	700,000	10	700,000		
2	2xFE-PORT WAN INTERFACE CARD FOR ROUTER	10	800,000	10	800,000		
3	ETHERNET ROUTER	12	3,600,000	12	3,600,000		
4	VIDEO CONFERENCE TERMINAL EQUIPMENT (COMPLETE SET INCLUDING CODEC, CAMERA, MIC, LED TV, UPS)	7	11,900,000	7	11,900,000		

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
5	DATA RADIO LINK (UNLICENSED BAND)	6	7,200,000	6	7,200,000		
			24,200,000		24,200,000		-
Plant & Machinery/Metering Equipments							
1	DIGITAL PRESSURE CALIBRATOR	1	1,000,000	1	1,000,000		
			1,000,000		1,000,000		-
			28,650,000		28,500,000		150,000
Grand Total							

68000000

[illegible]

DISTRIBUTION SUMMARY

Main Category	Sub Category	Total PKR	Distribution (Mo)	Lahore (East) Total PKR	Lahore (West) Total PKR	Sheikhpura Total PKR	Sahiwal Total PKR	Faisalabad Total PKR	Multan Total PKR	Bahawalpur Total PKR
			305 Total PKR	310 Total PKR	311 Total PKR	315 Total PKR	320 Total PKR	325 Total PKR	330 Total PKR	335 Total PKR
IT/MIS Equipment	IT/MIS Equipment/Softwares	41,000,000	15,000,000							
	Computer Hardware (Company wide requirement)	-								
Sub Total		41,000,000	15,000,000							
Motor vehicles	Transportation	-								
	Grand Total	450,568,750	193,596,250	1,700,000	1,600,000	1,050,000	500,000	1,210,000	500,000	1,000,000

00000091

DISTRIBUTION SUMMARY

Main Category	Sub Category	CS (South/ North) Total PKR	Gujranwala		Sialkot		Gujrat		Sargodha		Rawalpindi		Islamabad		Abbottabad		Peshawar		Mardan		P & D		Projects		Quality Assurance	
			340	345	346	350	355	360	365	370	375	380	382	385	395											
			Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR	Total PKR												
Plant & Machinery	Power Plant & Equipment																									
	Workshop Plant & Equipment																									
	C.P. Equipment																									
	Metering Equipment												215,000				1,200,000									
	Testing/Survey Equipment			600,000	600,000	600,000	600,000						135,000		150,000							700,000			6,025,000	
	Electrical Equipment		25,000																							
	Electrical & Gas Appliances & Fittings																									
	Fire Fighting Equipment																									
	Sundry Equipment																									
	Sub Total		25,000	600,000	600,000	600,000	600,000	350,000	150,000	1,200,000			6,000,000		700,000	6,000,000									6,025,000	
Transmission System	Rehabilitation/Upgradation of Transmission System																									
	Rehabilitation/upgradations of Sales Meter Station																									
Sub Total																										
Tools & Equipment	Loose Tools	3,000,000	500,000						200,000	500,000										500,000					4,200,000	
Sub Total		3,000,000	500,000						200,000	500,000										500,000					4,200,000	
Civil Construction	Civil Construction																									
	Regional Office Building																									
Sub Total																										
Compression Equipment	Compressor Station Equipment																									
Sub Total																										
Construction Equipment	Construction Equipment																									
Sub Total																										
Furniture Fixture & Office/Security Equipment	Furniture and Fixtures																									
	Office Equipment																									
	Security Equipment																									
Sub Total																										
Land for SMSs	Land for ROW																									
	Land for Offices																									
Sub Total																										
Telecommunication Equipment	Telecom Equipment																									
Sub Total																										
IT/MIS Equipment	IT/MIS Equipment/Softwares																									
	Computer Hardware (Company wide requirement)																									
Sub Total																										
Motor vehicles	Transportation																									
	Grand Total	3,000,000	525,000	600,000	600,000	800,000	500,000	350,000	150,000	1,200,000	500,000	26,700,000	208,462,500	6,025,000											6,025,000	

DISTRIBUTION- HO

Appendix-305

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Welding Plant	50	65,000,000	50	65,000,000		
2	Air Compressor	20	40,000,000	20	40,000,000		
3	Electric Generator for P.E Tool Kits	70	4,200,000	70	4,200,000		
5	Pneumatic Breakers	10	4,000,000	10	4,000,000		
6	Road Cutting Machine	5	1,625,000	5	1,625,000		
7	Beveling Machine	5	1,181,250	5	1,181,250		
8	P.E. Tool Kits with Accessories						
	Butt Fusion Tool Kit	20	12,400,000	20	12,400,000		
	Saddle Fusion Tool Kit	50	26,000,000	50	26,000,000		
	Socket Fusion Tool Kit	50	8,190,000	50	8,190,000		
		280	162,596,250	280	162,596,250	-	-
TOOLS & EQUIPMENT/LOOSE TOOLS							
1	Fitter Tool Kit	200	10,000,000	200	10,000,000		
2	Welder Tool Kit	100	3,000,000	100	3,000,000		
		300	13,000,000	300	13,000,000	-	-
Plant & Machinery/Sundry Equipment							
1	Sundry Equipment	Lot	3,000,000	Lot	3,000,000		
		-	3,000,000	-	3,000,000	-	-
IT/MIS Equipment/Softwares							
1	Plotter/Printer	6	15,000,000	6	15,000,000		
		6	15,000,000	6	15,000,000	-	-
	Grand Total	586	193,596,250	586	193,596,250	-	-

00000093

LAHORE EAST

Appendix-310

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Gas Cutting Set	2	300,000	2	300,000		
2	Pipe Cutters upto 2"	6	90,000	6	90,000		
		8	390,000		390,000		-
Plant & Machinery/Sundry Equipment							
2	Digital vernier caliper	3	90,000	3	90,000		
3	Digital Calibrator	1	180,000	1	180,000		
		4	270,000	4	270,000	-	-
Plant & Machinery/Testing & Survey Equipment							
1	Line Locators	1	400,000	1	400,000		
2	Natural Gas Leakage Detection Meter	1	120,000	1	120,000		
		2	520,000	2	520,000	-	-
Plant & Machinery/Electrical Equipment							
1	Rechargeable Emergency Light	15	120,000	15	120,000		
2	Portable Flood Light	1	400,000	1	400,000		
		16	520,000	16	520,000	-	-
	Grand Total	30	1,700,000	22	1,700,000	-	-

7600000

LAHORE WEST

Appendix-311

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Gas Cutting Set	2	300,000	2	300,000		
2	Pipe Cutters upto 2"	4	60,000	4	60,000		
		6	360,000	6	360,000	-	-
Plant & Machinery/Sundry Equipment							
1	Digital vernier caliper	2	60,000	2	60,000		
2	Digital Pressure Temperature Calibrator	1	180,000	1	180,000		
		3	240,000	3	240,000	-	-
Plant & Machinery/Testing & Survey Equipment							
1	line Locators	1	400,000	1	400,000		
2	Natural Gas Leakage Detection Meter	1	120,000	1	120,000		
		2	520,000	2	520,000	-	-
Plant & Machinery/Electrical Equipment							
1	Rechargeable Emergency Light	10	80,000	10	80,000		
2	Portable Flood Light	1	400,000	1	400,000		
		11	480,000	11	480,000	-	-
		22	1,600,000	22	1,600,000	-	-

SHEIKHUPURA

Appendix-315

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Water pump	4	300,000	4	300,000		
		4	300,000	4	300,000	-	-
Plant & Machinery/Testing & Survey Equipment							
1	Measuring Wheel	5	250,000	5	250,000		
		5	250,000	5	250,000	-	-
Tools & Equipment/Loose Tools							
1	Loose tools with tool box	10	500,000	10	500,000		
		10	500,000	10	500,000	-	-
		19	1,050,000	19	1,050,000	-	-

9600000

SAHIWAL

Appendix-320

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Tools & Equipment/Loose Tools							
1	Lump sum	-	500,000		500,000		
		-	500,000	-	500,000	-	-
	Grand Total	-	500,000	-	500,000	-	-

000000007

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Power Grinder (220 Volts)	10	400,000	10	400,000		
2	Pipe Cutter (1/8" - 2" dia)	10	200,000	10	200,000		
		20	600,000	20	600,000	-	-
Plant & Machinery/Electrical Equipment							
1	Emergency Lights (100Watt) LED Type	10	150,000	10	150,000		
2	Emergency Lights (50Watt) LED Type	10	135,000	10	135,000		
3	Torch Light Rechargeable	4	75,000	4	75,000		
		24	360,000	24	360,000	-	-
Tools & Equipment/Loose Tools							
1	Industrial Metering Tool Kits	3	250,000	3	250,000		
		3	250,000	3	250,000	-	-
		47	1,210,000	47	1,210,000	-	-

86000000

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Tools & Equipment/Loose Tools							
1	Lump sum	-	500,000		500,000		
		-	500,000	-	500,000	-	-
	Grand Total	-	500,000	-	500,000	-	-

66000000

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Workshop Plant & Equipment							
1	Grease Guns	2	200,000	2	200,000		
2	Chain block and pully	2	50,000	2	50,000		
		4	250,000	4	250,000	-	-
Plant & Machinery/Testing & Survey Equipment							
1	Ultrasonice Valve leak detector	1	100,000	1	100,000		
2	Measuring Wheel	2	50,000	2	50,000		
3	True Laser measurement(100Meter range)	1	150,000	1	150,000		
4	Pipeline Locators	1	400,000	1	400,000		
		5	700,000	5	700,000	-	-
CONSTRUCTION EQUIPMENT/CONSTRUCTION EQUIPMENT							
1	Gas Cutting set	1	25,000	1	25,000		
		1	25,000	1	25,000	-	-
Plant & Machinery/Electrical Equipment							
1	Battery Charger(12 Volts Heavy duty)	1	25,000	1	25,000		
		1	25,000	1	25,000	-	-
		11	1,000,000	11	1,000,000	-	-

00000100

Appendix-340

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Tools & Equipment/Loose Tools							
1	Loose Tools	Lot	3,000,000	Lot	3,000,000		
		Lot	3,000,000	Lot	3,000,000	-	-
	Grand Total	Lot	3,000,000	Lot	3,000,000	-	-

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Electrical Equipment							
1	Battery Charger	1	25,000	1	25,000		
		1	25,000	1	25,000	-	-
Tools & Equipment/Loose Tools							
2	Loose Tools	lot	500,000	lot	500,000		
		-	500,000	-	500,000	-	-
		1	525,000	1	525,000	-	-

00000102

SIALKOT

Appendix-346

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	PCM Line locator for MS network	1	600,000	1	600,000		
		1	600,000	1	600,000	-	-
	Grand Total	1	600,000	1	600,000	-	-

00000103

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	PCM Line locator for MS network	1	600,000	1	600,000		
		1	600,000	1	600,000	-	-
	Grand Total	1	600,000	1	600,000	-	-

00000104

SARGODHA

Appendix-355

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	GPS (Handheld devices)	1	600,000	1	600,000		
		1	600,000	1	600,000	-	-
Tools & Equipment/Loose Tools							
1	Loose Tools	Lumpsum	200,000	Lumpsum	200,000		
		Lumpsum	200,000		200,000	-	-
						-	-
	Grand Total		800,000		800,000	-	-

1000010101

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Tools & Equipment/Loose Tools							
2	Loose Tools	Lot	500,000	Lot	500,000		
		-	500,000	-	500,000	-	-
	Grand Total	-	500,000	-	500,000	-	-

00000106

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Electrical Equipment							
1	Flood / Search Lights (500V)	5	135,000	5	135,000		
		5	135,000	5	135,000	-	-
Plant & Machinery/Metering Equipments							
1	Pressure/Temperature (P/T)Recorder	4	215,000	4	215,000		
			215,000		215,000		
	Grand Total	5	350,000	5	350,000	-	-

00000107

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Electrical Equipment							
1	FIRE / EXPLOSION PROOF FLOOD LIGHT	4	150,000	4	150,000		
		4	150,000	4	150,000	-	-
	Grand Total	4	150,000	4	150,000	-	-

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Metering Equipments							
1	Ultra Sonic Portable Clamp on Meter	1	1,200,000	1	1,200,000		
			1,200,000		1,200,000		
	Grand Total	-	1,200,000	-	1,200,000	-	-

60100000

MARDAN

Appendix-380

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Tools & Equipment/Loose Tools							
1	Loose Tools	lot	500,000	lot	500,000		
		lot	500,000	lot	500,000	0	0
		lot	500,000	lot	500,000	-	-
	Grand Total						

00000110

Planning & Development

Appendix-382

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	Han Held GPSs	7	700,000	7	700,000		
		7	700,000	7	700,000	-	-
IT/MIS Equipment/Softwares							
1	Softwares	-	26,000,000	-	26,000,000		
		-	26,000,000	-	26,000,000	-	-
	Grand Total		26,700,000		26,700,000	-	-

Projects

Appendix-385

Amount in RS.							
S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Sundry Equipment							
1	Night working light (complete Set)	30	6,000,000	30	6,000,000		
		30	6,000,000	30	6,000,000		
Tools & Equipment/Loose Tools							
2	Tools (Spanner Sets etc.)	20	4,200,000	20	4,200,000		
		20	4,200,000	20	4,200,000		
Construction Equipment/Construction Equipment							
1	Road Cutting Machine	10	3,250,000	10	3,250,000		
2	Pneumatic Breakers	10	3,250,000	10	3,250,000		
4	Wheel Excavator with Hydraulic breaker	5	55,000,000	5	55,000,000		
5	Dewatering / Sludge Pump	10	525,000	10	525,000		
6	Beveling Machine	10	2,362,500	10	2,362,500		
7	Truck Crane	5	107,625,000	5	107,625,000		
8	Welding Plant	10	26,250,000	10	26,250,000		
		60	198,262,500	60	198,262,500		
		110	208,462,500	110	208,462,500		
	Grand Total	110	208,462,500	110	208,462,500		

Amount in RS.

00000112

Quality Assurance

Appendix-395

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Testing & Survey Equipment							
1	Laser Temperature Measure Gauge	10	250,000	10	250,000		
2	Holiday Detector	10	3,500,000	10	3,500,000		
3	Pit Gauge (Digital)	10	700,000	10	700,000		
4	Tong Tester	15	150,000	15	150,000		
5	Vernier Caliper (Digital)	15	75,000	15	75,000		
6	High-Low Gauge	10	100,000	10	100,000		
7	Surface Profile Gauge (Digital)	10	1,250,000	10	1,250,000		
		80	6,025,000	80	6,025,000		

00000113

HEAD OFFICE SUMMARY

Main Category	Sub Category	Total PKR	Admin. Deptt.	Store	IT & MIS	HSE	Civil Department	Media Affairs Department	Pool Budget
			505 Total PKR	510 Total PKR	520 Total PKR	525 Total PKR	530 Total PKR	535 Total PKR	540 Total PKR
Plant & Machinery	Power Plant & Equipment	169,800,000							169,800,000
	Workshop Plant & Equipment	-							
	C.P. Equipment	-							
	Metering Equipment	-							
	Testing/Survey Equipment	-							
	Electrical Equipment	34,800,000					34,800,000		
	Electrical & Gas Appliances & Fittings	28,750,000					3,750,000		25,000,000
	Fire Fighting Equipment	41,250,000				41,250,000			
	Sundry Equipment	18,027,000	197,000	830,000		17,000,000			
Sub Total		292,627,000	197,000	830,000	-	58,250,000	38,550,000	-	194,800,000
Transmission System	Rehabilitation/Upgradation of Transmission System	-							
	Rehabilitation/upgradations of Sales Meter Station	-							
Sub Total		-	-	-	-	-	-	-	-
Tools & Equipment	Loose Tools	-							
Sub Total		-	-	-	-	-	-	-	-
Civil Construction	Civil Construction	300,000,000							300,000,000
	Regional Office Building	-							
Sub Total		300,000,000	-	-	-	-	-	-	300,000,000
Compression Equipment	Compressor Station Equipment	-							
Sub Total		-	-	-	-	-	-	-	-
Construction Equipment	Construction Equipment	-							
Sub Total		-	-	-	-	-	-	-	-
Furniture Fixture & Office/Security Equipment	Furniture and Fixtures	60,000,000							60,000,000
	Office Equipment	28,300,000						3,300,000	25,000,000
	Security Equipment	100,000,000	25,000,000			75,000,000			
Sub Total		188,300,000	25,000,000	-	-	75,000,000	-	3,300,000	85,000,000
Land for SMSS	Land for ROW	-	-						
	Land for Offices	-	-						
Sub Total		-	-	-	-	-	-	-	-

HEAD OFFICE SUMMARY

Main Category	Sub Category	Total PKR	Admin. Deptt.	Store	IT & MIS	HSE	Civil Department	Media Affairs Department	Pool Budget
			505 Total PKR	510 Total PKR	520 Total PKR	525 Total PKR	530 Total PKR	535 Total PKR	540 Total PKR
Telecommunication Equipment	Telecom Equipment	18,000,000	3,000,000		15,000,000				
Sub Total		18,000,000	3,000,000	-	15,000,000	-	-	-	-
IT/MIS Equipment	IT/MIS Equipment/Softwares	365,600,000			365,600,000				
	Computer Hardware (Company wide requirement)	134,572,333			134,572,333				
Sub Total		500,172,333		-	500,172,333	-	-	-	-
Motor vehicles	Transportation	300,000,000							300,000,000
	Grand Total	1,599,099,333	28,197,000	830,000	515,172,333	133,250,000	38,550,000	3,300,000	879,800,000

00000115

Admin Department

Appendix-505

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Sundry Equipment							
1	Drill Machine Electric with Hammering (Heavy Duty)	1	50,000	1	50,000		
2	Laminator machine	1	30,000	1	30,000		
3	Fumigation Machine (heavy duty).	1	20,000	1	20,000		
4	Grass Cutting Machine	3	80,000	3	80,000		
5	Aluminium Ladder 20 ft (Foldable)	1	17,000	1	17,000		
		7	197,000	7	197,000	-	-
Telecom Equipment/Telecom Equipment							
1	Telephone Exchanges for different Regions	-	3,000,000		3,000,000		
		-	3,000,000	-	3,000,000	-	-
Office Equipment/Security Equipment							
1	Misc. Security Equipment for different Regions/HO	-	25,000,000		25,000,000		
		-	25,000,000	-	25,000,000	-	-
		7	28,197,000	7	28,197,000	-	-

11000116

Stores

Appendix-510

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Sundry Equipment							
1	Emergency ladder 10'	9	360,000	9	360,000		
2	Aluminium ladder 6" Feet Height	20	400,000	20	400,000		
3	Electric Grass Cutting machine	1	70,000	1	70,000		
		30	830,000	30	830,000		
	Grand Total		830,000		830,000		

IT/MIS department

Appendix-520

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
IT/MIS Equipment/ Server Machines, Network Equipment, Industrial Printers (15% Depreciation Rate)							
1	Layer 2 Access Switches	100	22,500,000	100	22,500,000	-	-
2	Routers for Regions and Sub-Area Offices	100	27,500,000	100	27,500,000	-	-
3	Wireless AP (HO and Regions)	50	3,500,000	50	3,500,000	-	-
4	Wireless Controller for Wireless AP	1	1,500,000	1	1,500,000	-	-
5	Core Network Solution (DR)	1	24,500,000	1	24,500,000	-	-
6	Intergrated Cooling Rack (all in 1 solution)	1	2,000,000	1	2,000,000	-	-
7	Tools for Networking	10	3,000,000	10	3,000,000	-	-
8	Storage Area network (SAN)	1	30,000,000	-	-	1	30,000,000
9	x86 Servers (Hyper Converge) for Regions	2	13,000,000	-	-	2	13,000,000
		266	127,500,000	263	84,500,000	3	43,000,000
IT/MIS Equipment/ HHUs, Line Printers, Personal/Desktop Computers (25% Depreciation Rate)							
1	HHU	300	40,000,000	300	40,000,000	-	-
		300	40,000,000	300	40,000,000	-	-
IT/MIS Equipment/ Software, Licences							
1	Virtualization, Operating System and Antivirus for Virtualization for Regions	1	9,000,000	1	9,000,000	-	-
2	License for Lotus Domino Server, Notes Clients and Antivirus for Domino	1	21,000,000	1	21,000,000	-	-
3	Internet Monitoring Solution	2	10,000,000			2	10,000,000
4	SSL Certificate (wildcard)	2	600,000	2	600,000	-	-
5	Customer Care & Billing Consumer Licenses	-	40,000,000	-	40,000,000	-	-
6	Network Monitoring Solution	1	27,500,000	1	27,500,000	-	-
7	Enterprise Systems Technology Licences (Oracle)	1	50,000,000	1	50,000,000	-	-
8	ERP user Licences	-	40,000,000		40,000,000		
		8	198,100,000	6	188,100,000	2	10,000,000
IT/MIS Equipment/Desktop, Network Printer, Laptop, Scanners, UPS for PCs (33% Depreciation Rate)							
1	PC, UPS, Laptop, Printer, Scanners Etc (Company Wide Requirement)	2,801	134,572,333	1,182	65,721,000	1,619	68,851,333

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
		2,801	134,572,333	1,182	65,721,000	1,619	68,851,333

6740000

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Telecom Equipment/Telecom Equipment							
1	Videowall for DRC Manga	1	15,000,000	1	15,000,000	-	-
		1	15,000,000	1	15,000,000	-	-
	Grand Total	3,376	515,172,333	1,752	393,321,000	1,624	121,851,333

00000420

HSE Department

Appendix-525

Amoriti

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Fire Fighting Equipment							
1	Smoke Detection and Fire Alarm System	-	6,000,000	-	6,000,000		
2	Extension of existing Smoke Detection and Fire Alarm Systems	-	3,000,000	-	3,000,000		
3	Stand Alone (Battery operated) Smoke / Heat Detectors	-	700,000	-	700,000		
4	Fire Hydrant System	-	20,000,000	-	20,000,000		
5	Fire Extinguishers	-	1,550,000	-	1,550,000		
6	Fire Truck	-	10,000,000	-	10,000,000		
		-	41,250,000	-	41,250,000	-	-
Office Equipment/Security Equipment							
1	CCVT Cameras on all CSCs (BOD's Directions)	-	25,000,000	-	25,000,000		
2	CCVT Cameras on all Complaint Centers (BOD's Directions)	-	29,000,000	-	29,000,000		
3	Installation of LEDs / SMDs (BOD's Directions)	27	20,000,000	27	20,000,000		
4	Digital Cameras	22	1,000,000	22	1,000,000		
		49	75,000,000	49	75,000,000	-	-
Plant & Machinery/Sundry Equipment							
1	Reverses Osmosis Plant for company wide requirement	-	12,000,000	-	12,000,000		
2	Establishment of Wellness Club (Peshawar Region)	1	5,000,000	1	5,000,000		
		1	17,000,000	1	17,000,000	-	-
		50	133,250,000	50	133,250,000	-	-
			Grand Total				

CIVIL CONSTRUCTION DEPARTMENT

Appendix-530

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Plant & Machinery/Electrical Appliances							
1	Supply and installation of floor standing split AC 05 HP for lift Machine room at roof top Head Office, Building	2	1,000,000	2	1,000,000		
2	Supply, installation and commissioning of Air-conditioned of 3/4 ton capacity at VIP lift Head Office Building	1	150,000	1	150,000		
3	Supply, installation and commissioning of floor standing split AC 05 HP (i.e. 4 Ton) for control room, Bill Printing set up at Head Office Building	2	1,000,000	2	1,000,000		
4	Supply and installation of split AC 2 Ton, wall mounting type for driver room, 3 Nos. Security huts at ground floor, DMC exchange at 3rd floor, Incharge Turbine, Security Office and Incharge Biometric.	11	1,600,000	11	1,600,000		
		16	3,750,000	16	3,750,000	-	-
Plant & Machinery/Electrical Equipment							
1	Supply, installation and commissioning of water turbine 60 HP with all accessories, drilling of bore hole approximately 800 feet deep complete in all respects at Head Office Building	1	5,000,000	1	5,000,000		
2	Supply, installation and commissioning of reverse osmosis water purification system for Boiler system at Head Office Building	1	1,200,000	1	1,200,000		
3	Supply and installation of air handling unit (Capacity-20 Ton) for B-II, Head Office Building	1	5,000,000	1	5,000,000		
4	Supply and installation of air handling unit (Capacity-35 Ton) for fresh air to be installed at roof top of Head Office Building	1	8,000,000	1	8,000,000		

CIVIL CONSTRUCTION DEPARTMENT

Appendix-530

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
5	Supply and installation fan coil unit 2 Ton capacity for maintenance room, driver room, Civil Store at B-I, Incharge Turbine at B-II, Head Office Building	6	600,000	6	600,000		
6	Supply, installation and Commissioning of Air Cooled Chiller 90 Ton capacity at roof top for 7th floor Head Office Building	1	15,000,000	1	15,000,000		
		11	34,800,000	11	34,800,000	-	-
	Grand Total	27	38,550,000	27	38,550,000	-	-

00000123

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Office Equipment							
1	Video Camera HD	1	1,500,000	1	1,500,000	-	-
2	DSLR Camera with Lenze	1	1,800,000	1	1,800,000	-	-
		2	3,300,000	2	3,300,000	-	-
	Grand Total	2	3,300,000	2	3,300,000	-	-

0000124

Company Wide Pool Budgets

Appendix-540

Amount in Rs.

S.No.	Description	Total Requirement		Addition		Replacement	
		Quantity	Total Cost	Quantity	Total Cost	Quantity	Total Cost
Civil Construction (Structure and Fixture/Fittings)							
1	Company wide requirements	-	300,000,000	-	300,000,000	-	-
		-	300,000,000	-	300,000,000	-	-
Plant & Machinery/Power Plant & Equipment							
1	Generators etc.	-	169,800,000		169,800,000		
		-	169,800,000	-	169,800,000	-	-
Office Furniture's and Fixture							
1	Furniture & Fixture etc. (Company wide requirements (porvided by Civil department))	-	60,000,000		60,000,000		
		-	60,000,000	-	60,000,000	-	-
Office Equipment							
1	Photocopy machines/Fax machines/Security Equipment etc		25,000,000		25,000,000		
		-	25,000,000	-	25,000,000	-	-
Plant & Machinery/Electrical Appliances and Fittings							
1	Air Conditioner/Air Cooler/Water equipment/Deep Freezer etc.	-	25,000,000		25,000,000		
		-	25,000,000	-	25,000,000	-	-
Motorvehicles							
	Replacement/New Operational/Allocated Vehicles	-	300,000,000		300,000,000		
		-	300,000,000	-	300,000,000	-	-
	Grand Total	-	879,800,000	-	879,800,000	-	-

SUI NORTHERN GAS PIPELINES LIMITED

MEMORANDUM

FROM: Company Secretary	TO: Chief Financial Officer
Ref. CA/BOD-1/5279	November 18, 2017

Confidential

REVENUE REQUIREMENTS FOR FY 2018-19

The Board of Directors at its 500th meeting held on December 18, 2017 considered this agenda item along with recommendations of the Finance and Procurement Committee given at its 289th meeting held on December 18, 2017 and accorded approval of Revenue Requirements for FY 2018-19 as follows subject to completion of all relevant codal/procedural and legal pre-requisites subject to caveat that Security Expenses shall be rationalized on the basis of last five years average percentage increase:

Revenue Proposals		Rs. (in Million)
A	Budget Proposals approved in previous financial years, against which OGRA has given its principle approval or pending for approval. The same are being included in the petition for inclusion in the Rate Base.	2,391
B	Present/New Proposals	
a	Transmission and Distribution cost charged to Profit and Loss Account	40,796
b	Related Capitalization	4,010
B=a+b	Total Present/New Proposals	44,806
(A+B)	Total Revenue Proposals	47,197
Capital Proposals		Rs. (in Million)
A	Budget Proposals approved in previous financial years, against which OGRA has given its principle approval or pending for approval. The same are being included in the petition for inclusion in the Rate Base.	41,446
B	Present Proposals	
a	Special Projects(Already Approved)	1,685
	New Proposals	
	Distribution Development	48,322
	Regular Capital Expenditure	2,319

0000126

b	Total New Proposals	50,641
B=a+b	Total Present Proposals	52,326
(A+B)	Total Capital Expenditure Proposals	93,772

You are requested to please take further action in this regard.

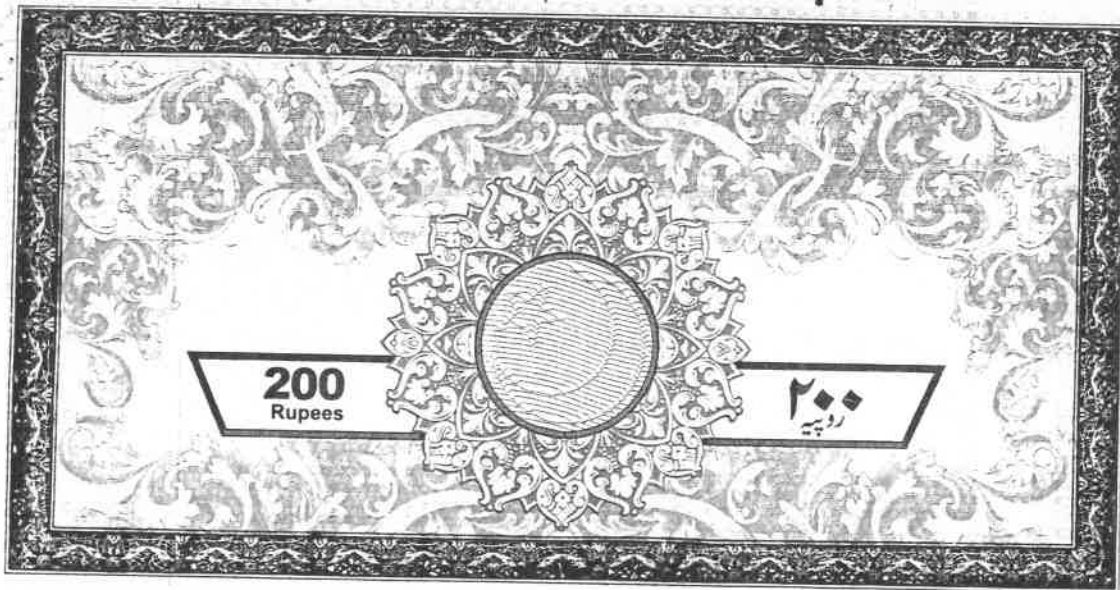

Company Secretary

cc: MD




1. To represent the Company in all proceedings before the Oil and Gas Regulatory Authority ("OGRA") and / or other regulatory authorities including Director General (Gas), Ministry of Petroleum & Natural Resources, Government of Pakistan.
2. To file and appear in proceedings, sign application, petitions and other documents that may be required to defend the Company petitions(s) for its revenue requirement, tariff, licensing and any other ancillary matters.
3. To sign and file interventions, requests, comments, affidavits, furnish undertakings and /or any other documents that may be required in any matter before OGRA.
4. To appoint Advocates and give them due authority to act and conduct the cases and appear in all proceedings to defend the Company before OGRA and / or any other regulatory authority including Director General (Gas), Ministry of Petroleum & Natural Resources, Government of Pakistan.

DIRECTOR
CNIC No.



All legal acts done by the said attorneys in furtherance of the Company proceedings before OGRA, before execution of this power of Attorney, are hereby ratified and deemed to have been done under lawful authority.

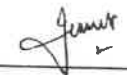
IN WITNESS WHEREOF the common Seal of the Company was hereunto affixed on the 22nd day of April 2015 at Lahore.



(Muhammad Arif Hameed)
MANAGING DIRECTOR
CNIC No. 35202-3882753-5

The common seal of
Sui Northern Gas Pipelines Limited
was hereunto affixed in the
Presence of:


DIRECTOR
CNIC No.

WITNESSES:


Ikram Afzal
Law Officer
Sui Northern Gas Pipelines Limited
21-Kashmir Road, Lahore.
CNIC No. 31303-5170971-9


Muhammad Tahir Rashid
Law Officer
Sui Northern Gas Pipelines Limited
21-Kashmir Road, Lahore.
CNIC No. 35202-2793098-3

S.N.G.P.L.
NO. 2153
IT/MIS DEPARTMENT



SUI NORTHERN GAS PIPELINES LIMITED

MEMORANDUM



DMD (S) H.O.
239

FROM: Company Secretary	TO: GM (IT/MIS)
Thru: DMD (Services)	
Ref: CA/BOD-1/9479 February 24, 2018	

Confidential

CC&B UPGRADE PROJECT

The Board of Directors at its 503rd meeting held on February 24, 2018 considered this agenda item alongwith recommendations of the Finance and Procurement Committee given at its 292nd meeting held on February 24, 2018 and accorded approval for US\$ 719,000/- for CC&B upgrade project and also accorded approval for issuance of Purchase order to acquire CC&B Licenses and annual Support from Oracle on Proprietary basis subject to completion of all relevant codal/procedural, legal and financial pre-requisites.

The Managing Director was authorized to take or cause to be taken all the necessary steps to give effect to the above decision.

The detailed minutes are under preparation and shall be communicated after clearance from the Chairman-Board of Directors in due course.

[Signature]
Company Secretary

cc: MD

S.N.G.P.L

17/43

CONF 212
NO. 212
IT/MIS DEPARTMENT

DMD (S) H.O

17-02-2018

224



SUI NORTHERN GAS PIPELINES LIMITED

MEMORANDUM

From: COMPANY SECRETARY	To: GM(IT/MIS)
Ref: CA/BOD-2/9456 February 21, 2018	Thru: DMD (Services) Confidential

503RD MEETING OF THE BOARD OF DIRECTORS

We enclose copy of the following agenda items to be considered by the Board of Directors at its 503rd meeting scheduled on Saturday, February 24, 2018, in the Company's Board Room, 21-Kashmir Road, Lahore.

ITEM	SUBJECT
H(iv).	CC&B Upgrade Project.

You are requested to please make yourself available in the Conference Room at 7th Floor for the above meeting to respond to any queries on this agenda item, if so required by the Board of Directors.

cc: MD.


COMPANY SECRETARY

0000133



167

SUI NORTHERN GAS PIPELINES LIMITED

Note to Directors

From: Managing Director

Note No. 5755 (iv)

Dated: February 21, 2018

AGENDA FOR THE 503RD MEETING OF THE BOARD OF DIRECTORS – ITEM-H (iv)

CC&B UPGRADE PROJECT

This item of the Agenda is being submitted at 292nd meeting of the Finance and Procurement Committee of Directors scheduled on February 24, 2018. The recommendations of the Finance and Procurement Committee of Directors on the Agenda shall be communicated at the meeting for consideration by the Board.


(WAJIHA ANWAR)
Company Secretary

000013

Dated: Feb 13, 2018

CC&B UPGRADE PROJECT

This is with reference to Oracle Customer Care & Billing (CC&B) version 2.2 system implemented and in use at SNGPL since 2009. The system is in its 9th successful year and being used to bill more than 5 million consumers every month. This system is now completely entrenched and fully utilized by all the user departments such as Sales, Distribution, Billing, UFG, Customer Services, Metering and Accounts for their business processes. The system has improved customer services and brought in transparency and accuracy by providing several MIS reports. It has considerably improved the system's accuracy, bill delivery, revenue realization, process visibility across the board while ensuring, customer satisfaction and employees' productivity. CC&B system has contributed significantly towards informed decision making and facilitated in UFG reduction.

As per general practice, all software vendors around the globe continue to develop and enhance the software to improve upon and build new features to fulfil the technology requirements. New versions of software are also released to support the newer operating systems and platforms. Similar to other software products, Oracle has released a number of newer versions over the years with latest being CC&B version 2.6. Oracle has highly recommended upgrading CC&B to the latest release as patches and updates are no longer released for the version used by SNGPL (*Annex A*). New release will bring significant enhancements and some of the benefits are listed below:

- Significant improvement in performance of Billing Batch Jobs
- Improve the business process efficiencies by new features
- Enhance the IT support services
- Manage the rapid business changing requirements
- Improve interoperability with surrounding systems
- More user friendly framework
- Adhere to the latest industry data security standards

As CC&B is extensively used in the organization, IT/MIS has initiated the process to upgrade from existing version of Oracle CC&B 2.2 to the latest version. IT/MIS has held exploratory meetings with Oracle partners as well as approached Oracle for the upgrade of CC&B. The local partners do not have necessary skilled and experienced resources for the Oracle CC&B upgrade, while Oracle is not willing to fly in resources to Pakistan due to their internal policies.

It may also be kindly noted that original implementation of CC&B was done on proprietary basis by Oracle and the cost was approximately USD 1.6 Million. In our assessment, it will take approximately 6 to 8 months to complete the upgrade due to the complexities of underlying technologies such as Databases, Application Servers and Reporting. It will involve standard process of upgrade, configuration, user trainings, user acceptance testing, development of reports on new platform and rollover to production.

Based on the initial implementation and general assessment of the work required to perform the upgrade the total estimated cost for the CC&B upgrade project including Implementation services and licensing of new module is approximately US\$ 1.6 million including annual support fee. Oracle has informed during the true-up of CC&B consumer licenses in 2016 that due to changes in licensing mechanism, existing customers are required to pay a Transit/Migration fee in lieu of a task optimizer functionality introduced in CC&B and quoted USD 550,000/- (Annex-B). Oracle has now approached us again with further discount of USD 100,000/-

Following table describes the cost estimates for the upgrade.

1	Licensing Cost	450,000/-	Email from Oracle (Annex-A)
2	Annual Support for License	99,000/-	@22% of License Cost
3	CC&B Upgrade Services	1,000,000/-	Budgetary estimate from Oracle Partners
4	CC&B Trainings	100,000/-	Budgetary estimate

Based on our extensive experience and knowledge of CC&B, it is our considered opinion to perform the upgrade of CC&B 2.2 to the latest stable release by internal resources. However, as the internal resources will be engaged in the upgrade activity, 10 additional resources are needed to ensure smooth operations during the upgrade activity. Cost estimate for in-house upgrade is set out below.


1	Licensing Cost	450,000/-	Email from Oracle (Annex A)
2	Annual Support for License	99,000/-	@22% of License Cost
3	HR Cost for Contractual Resources.	70,000/-	Contractual Resources for CC&B and Systems support during in-house Upgrade. (Annex C)
4	CC&B Trainings	100,000/-	Budgetary estimate

Performing the activity with internal resources will be cost effective and will result in savings of almost 930K US dollars.

The Management hereby recommends to Finance and Procurement Committee to further recommend the Board of Directors to allow and approve:-

1. 719,000/- US dollars for CC&B upgrade project.
2. Issuance of Purchase order to acquire CC&B Licenses and annual Support from Oracle on Proprietary basis.


(MUHAMMAD RIAZ)
GENERAL MANAGER - IT/MIS


(AMER TUFAIL)
DMD (SERVICES)


(AMJAD LATIF)
MANAGING DIRECTOR

From: Sajin Rehan <sajin.rehan@oracle.com>
To: Muhammad Riaz <muhammad.riaz@sngpl.com.pk>
Cc: Faisal Ijaz <faisal.ijaz@sngpl.com.pk>, Khawaja Shoaib Hamid <khawaja.shoaib.hamid@oracle.com>

Annex- A 170

Date: Sunday, February 11, 2018 11:39AM
Subject: Oracle Utilities Customer Care and Billing Upgrade
History: ↗ This message has been forwarded.

ORACLE UTILITIES CUSTOMER CARE and BILLING – Upgrade

Dear Riaz Sb,

We are pleased that SNGPL is one of the largest gas utility companies in Pakistan which opted for Oracle Utilities Customer Care and Billing (CC&B) and has been successfully using it to manage billing and other business processes for millions of consumers since 2009.

SNGPL procured the licenses for 3-million consumers initially and during true up exercise in 2016, an Oracle Master Agreement (OMA) was signed by SNGPL & Oracle which facilitated SNGPL to procure licenses directly from Oracle. The existing version of CC&B being used in SNGPL is 2.2 (since 2009), whereas Oracle has continued to develop and enhance the CC&B product with new features and functionalities. Please keep in mind that while version 2.2 is supported, however no new patches and updates are issued by Oracle.

~~2.6 for superior support and improved performance. Following are some of the key features that customers could look to deploy~~

- Market-leading CIS and market-leading MDMS (for scalar meters) in one solution CCB 2.6
- Consolidated interface for data management
- Data capture from multiple sources
- Automated VEE processes (for scalar meters)
- 360° view of the customer
- Intuitive user-interface
- Robust rating and billing engine
- Multi-channel communication and customer communication preference management
- Online account management and service requests
- Supports electric, gas, and water utilities of any size and any smart meter program maturity

With CCB 2.6, SNGPL can use the Meter Data Management capability for all scalar meters (smart meters would be an additional option SNGPL can consider at a later stage). In previous versions,

171

customers would need to buy this Meter Data Management for scalar meters – hence, this is a large saving for SNGPL.

During our true-up exercise of CC&B licenses for number of consumers, it was also communicated that the new release has introduced Task Optimization as core module and the license is pre-requisite for versions of CC&B 2.3 onward.

The Task Optimization comprises two components:

- Residential Customers
- Commercial & Industrial Customers

Based on the existing licenses procured by SNGPL for CC&B, following additional licenses will be needed for the newer version of CC&B 2.6

1	Oracle Utilities Customer Care and Billing Task Optimization Tools for Commercial & Industrial Customers - 100 in Customer Count Perpetual	1,000
2	Oracle Utilities Customer Care and Billing Task Optimization Tools for Residential Customers - 100 in Customer Count Perpetual	49,000
3	Oracle Utilities Customer Care and Billing Integration to Oracle E-Business Suite Financials for General Ledger and Accounts Payable - Processor Perpetual	1

The prices are valid for our quarter ending in Feb-2016 and subject to change in future.

Best Regards, Sajin

Sajin Rehan
Head of Sales, Asia
Oracle Utilities

+65 9005 9301

0000130

172

From: Francois Vazille <francois.vazille@oracle.com>
To: yasir.mirza@sngpl.com.pk, muhammad.riaz@sngpl.com.pk, Faisal Ijaz <faisal.ijaz@sngpl.com.pk>
Cc: Sajin Rehan <sajin.rehan@oracle.com>, Khawaja Shoaib Hamid <khawaja.shoaib.hamid@oracle.com>

Date: Monday, February 12, 2018 10:03AM
Subject: RE: Oracle Utilities Customer Care and Billing Upgrade

Dear Gentlemen,

Assalam-o-Alakum

I would like to reinforce the communication you have received from Shoaib and Sajin.

I have personally engaged with head office to get the following:

- Best discount possible for Feb transaction (including invoice payment)
- Allocation of additional resources to help fixing the bugs of the current upgrade
- Gave direction to my team to drive daily calls including SNGPL, support team, product development team and pre-sales to help resolution of SRs in accelerated approach

I would be delighted to talk to your senior management if required to articulate the importance of our relationship and the current work we are all doing to finalize the upgrade of CC&B v2.6 and give SNGPL the best license price for a February deal.

I look forward to meeting with you in my next visit to Pakistan over the next 2 months.

Francois

Regards

ORACLE

Francois Vazille | Vice-President, JAPAC

Oracle Utilities Global Business Unit

Mobile +61 411 705 039 / +61 406 139 275

0000137

From: Yasir Mirza [mailto:yasir.mirza@sngpl.com.pk]

Sent: Tuesday, March 08, 2016 11:57 AM

To: Anthony O'Hara

Cc: Muhammad_Riaz/IT-MIS/HO/SNGPL/PK; Dr_Zafar_Alvi/IT-MIS/HO/SNGPL/PK

Subject: Oracle CC&B True-Up -- Discussions

Annex - B 173

Hi Anthoy,

Thanks for the detail email and follow up on our discussions regarding CC&B. I just wanted to share an update that we have a change in executive leadership at SNGPL as CEO has been changed. Please let us know if we are still on for call on Thursday as discussed during our conference call with you.

Best Regards:

Yasir Mehboob Mirza
Chief Officer (IT/MIS)
Gas House, 21-Kashmir Road,
Lahore

DMC: 8216 -- Cell: (+92) 334.405.5502 -- Ph: (+92) 42.9908.4826

From: Dr Zafar Alvi/IT-MIS/HO/SNGPL/PK

To: Yasir Mirza/IT-MIS/HO/SNGPL/PK, Muhammad Riaz/IT-MIS/HO/SNGPL/PK [mailto:sngpl.pk]

Date: 03/04/2016 12:45 PM

Subject: Fw: Oracle CC&B True-Up Negotiations

Dr Zafar Alvi
GM IT-MIS
SNGPL HO

DMC 8631
Cell 0334 4242 640

Anthony O'Hara --- Oracle CC&B True-Up Negotiations ---

From:	"Anthony O'Hara" <anthony.ohara@oracle.com>
	[REDACTED]
	[REDACTED]
Subject:	Oracle CC&B True-Up Negotiations

Hi Dr. Zafar

Our discussions have thus far been productive and it is clear that both SNGPL and Oracle are working to resolve the true-up of SNGPL Customer Care and Billing System licensing and move forward in a spirit of collaboration. I wanted to summarize our progress thus far.

Our common objective is to find a solution to move forward on a collaborative and constructive relationship into the future. SNGPL and Oracle can build a strong collaboration in areas such as advanced metering, analytics and others which are key to ongoing improvement and transformation in a major utility such as SNGPL. Of course the planned upgrade of the Customer Care and Billing System would represent the next generation of customer and revenue management for SNGPL and also position it for advanced metering with scope for further automation and efficiencies.

The original purchase of Oracle Utilities Customer Care and Billing (CC&B) by SNGPL was based upon a price metric equivalent to \$US0.50 per customer. At the time, this equated to a significant discount of 87%. This purchase was for 3 million customers.

Since SNGPL has not procured expansion CC&B licenses in step with its customer growth, at present SNGPL is under-licensed by 2 million customers as we agree.

Over time the Oracle Utilities Customer Care and Billing product has continued to be developed and evolve. Based upon the current product definition and pricing, a discount of 87% (the SNGPL historical discount) would equate to a price per customer of \$US1.17 per customer.

Based upon this metric, the amount due would be \$US2,340,000.

Despite this price increase, and because Oracle wishes to resolve this licensing true-up matter with SNGPL and in understanding of your constraints, we are prepared to offer the true up based upon the historical metric of \$US0.50 per customer. As I am sure you can see this represents a substantial discount also in terms of discounting for price movements and inflation factors over time.

Based upon this metric, the amount due, based on SNGPL's historical price per customer, would be \$US1,000,000.

This alone would save SNGPL \$US1,340,000.

However, and based upon our discussions, Oracle is willing to extend even further value to SNGPL. If this matter can be procured and settled prior to May 15 2016, we have developed a plan to resolve the outstanding UGBU Consulting fees issue of approximately \$US312,000. We understand this matter is of concern to SNGPL and its resolution would be an important achievement.

On the basis of this negotiation, this would accrue to a saving to SNGPL of $\$US1,340,000 + \$US312,000 = \$US1,652,000$.

I appreciate your engagement with me on resolving this matter and look forward to a speedy resolution so we can progress our strategic relationship both in your planned CC&B upgrade project but also in other initiatives such as Advanced Metering and the commensurate realization of the business benefits that are sought by SNGPL.

I will be in Pakistan during the week of March 14 and would request a meeting shortly. Hopefully, we are in a position at that time to get down to finalizing an arrangement.

P.S. It would also be highly beneficial moving forward that we could discuss a basis for ongoing expansion purchases of CC&B licenses and possibly negotiate a mutually satisfactory model say for the next 3 years.

Comment regarding CC&B Upgrade project:

Based upon the number of customers, licensing for the [REDACTED]

[REDACTED] This would be associated with the upgrade project and not the true up being discussed here. This is not required at this point but would rather be part of the procurement at that stage.

Best regards

Anthony O'Hara | Senior Sales Manager | +65.6645.1411 | +65.9107.2946
Oracle Utilities Global Business Unit
6 Temasek Boulevard #18-01 Suntec Tower Four Singapore 038986

1	Senior System Administrator	1	100,000/-	1,200,000/-
2	Junior System Administrator	1	50,000/-	600,000/-
3	Senior Apps/ DBA Resources	1	100,000/-	1,200,000/-
4	Junior Apps/DBA Resources	3	50,000/-	1,800,000/-
5	Senior Functional / QA Resource	1	100,000/-	1,200,000/-
6	Junior Functional / QA Resource	3	50,000/-	1,800,000/-