



TELANGANA STATE POWER GENERATION CORPORATION LTD
(A Government of TS Undertaking)
TSGENCO CORPORATE OFFICE
VIDYUT SOUDHA, HYDERABAD
Website:www.tsgenco.co.in

**From :**

The Chief Engineer/ Civil
Thermal,
TSGENCO, A-Block,
Vidyut Soudha, Hyderabad-082

To :

M/s GVV CONSTRUCTIONS PVT., LTD.,
#12-13-1085/59, ROAD NO.11,
SAI NAGAR COLONY, TARNAKA,
SECUNDERABAD 500017, Telangana

Vendor Code : 202964

CST No. : 36280126964(CENTRAL)

TIN No. : 36280126964

PAN No. : AAFCT0257Q

CIN No. : U40102TG2014SGC094070

Indenting Plant : KTPS-V & VI

PAN No.: AACCG3649Q

PO No: 4900019698 / / / L01 / 2016 - 17 / / DT. 30.11.2016

Sub: KTPS-V&VI.Stage-KTPS-V&VI.Stage-Raising of Additional ash pond bunds from Ch: 0M to 3200M and Suraram bund from Ch: 4400M to Ch: 5450M from existing EL(+) 111.00M to EL(+)116.00M including wells and spillway at Paloncha, Khammam Dist-Agreement-Reg

Ref : 1)LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha
2)Circular Memo.No.CE/C/Hydel&GS/HD-I/F.GST/D.No.611/17 , Dt:23.10.2017
3) Lr.No.CE/SE/Civil/KTPS V & VI Stages/F.Dkt/D.No.1275/2017, Dt.07.11.2017
4) Proc. No.ED/C/Thermal/SE.TCD-I/EE3/F.Addl Ash Pond/D.No.266/2017-18, Dt.14.12.2017

1 ACCEPTANCE :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

2 SCOPE OF CONTRACT/ORDER :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

3 SCHEDULE OF MATERIALS & PRICES :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

PO Amount : Rs. 179,165,581.80

In words : Rupees Seventeen Crore Ninetyone Lakh Sixtyfive Thousand Five Hundred Eightyone And Paise Eighty Only

4 PRICE BASIS :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

5 TERMS OF PAYMENT :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

6 SECURITY DEPOSIT :

The contractor has submitted DD for an amount of Rs.1,00,000/- vide DD No.867100,Dt:21.05.2016 of Indian Oversea bank, Satya Nagar, Bhubaneswar and bank guarantee for an amount of Rs.87,20,000/- vide BG No.BOM1138/BG/GEN/38/2016-17, Dt: 04.08.2016 of Bank of MAharashtra, Champapet, Hyderabad as balance security deposit to make a total security deposit of Rs.88,20,000/-

7 GUARANTEE PERIOD :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

8 GENERAL TERMS :

As per LS Agt.No.69516003 of Superintending Engineer/Civil/KTPS V &VI Stages/Paloncha

For & On behalf of TSGENCO

Chief Engineer/ Civil (Thermal)

Document Dispatch Details:

Dispatch No: Date : LOA Payment

We accept all the terms and conditions of this order.

SEAL OF THE SUPPLIER

**SIGNATURE OF THE SUPPLIER'S.
AUTHORISED REPRESENTATIVE**

Copy to:

Annexure - 1

PO No: 4900019698 / / / L01 / 2016 - 17 / / DT.30.11.2016

Sub: KTPS-V&VI.Stage-KTPS-V&VI.Stage-Raising of Additional ash pond bunds from Ch: 0M to 3200M and Suraram bund from Ch: 4400M to Ch: 5450M from existing EL(+) 111.00M to EL(+)116.00M including wells and spillway at Paloncha, Khammam Dist-Agreement-Reg

S.No.	Service Code (SAC)	UOM	Qty	Unit Price	Per	Total Value
1						
1		M2	276,880.000	1.85	1	510,843.60
	Clearing the area for raising of ash pond bund by uprooting the jungle including grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps and disposal of unserviceable materials by burning and burying including cost and conveyance of all materials, labour charges, tools and tackles, hire charges of T&P, all leads and lifts and all other incidental charges etc., complete for finished item of work as directed by the Engineer-in-charge.					
2		M2	122,700.000	10.65	1	1,306,755.00
	Stripping Ash/soil to an average thickness of 150mm and depositing on upstream side away from the proposed bund with all leads and lifts including removal of vegetation, all labour charges and hire charges of equipment, T&P etc complete for finished item of work and as directed by Engineer-in-charge					
3		M2	117,200.000	3.08	1	360,390.00
	Compacting the soil/Ash surface after stripping under Item No: 2 to proctor density of 95% at OMC with vibratory roller of 7-10 T capacity as per standard specifications etc., complete and as directed by Engineer in charge.					
4		M3	1,993.449	684.00	1	1,363,519.12
	Supply and spreading of 75mm to 450mm size HBG metal/stone from approved quarry for formation of rock toe/rock fill including cost and conveyance of all materials, all labour charges, all leads and lifts/de lifts, taxes, seigniorage charges etc., complete as per drawings, specifications for finished item of work and as directed by Engineer-in-charge.					
5		M3	647.654	1,181.25	1	765,041.29
	Supply and spreading of HBG metal of 6-20 mm size for laying filters as per specifications & drawings including cost and conveyance of all materials, all labour charges with all leads and lifts including all taxes, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by Engineer-in-charge.					
6		M3	506.892	1,020.00	1	517,029.84
	Supply and spreading of HBG metal of 40 mm size for laying filters as per specifications & drawings including cost and conveyance of all materials, all labour charges with all leads and lifts including all taxes, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by Engineer-in-charge.					
7		M3	4,278.096	839.25	1	3,590,392.06
	Supply and spreading of well graded sand for laying sand filter media below the rock-toe and along the slopes of rock toe as per specifications & drawings and as directed by the Engineer in charge including cost and conveyance of all materials, all labour charges for laying, densification with all leads and lifts, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by the Engineer-in-Charge.					
8		M3	28,947.360	857.25	1	24,815,124.36
	Supply and spreading of well graded sand for laying Horizontal and Vertical sand filter media as per specifications & drawings and as directed by Engineer in charge including cost and conveyance of all materials to site, all labour charges for laying, densification, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by the Engineer-in-Charge.					
9		M3	95,695.342	132.75	1	12,703,556.65
	Formation of embankment with Pond ash from specified areas of ash pond for core of bund including all labour charges, charges of equipment for excavation, loading, transportation, unloading, spreading in layers of not exceeding					

						200mm thick (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering, trimming to designed section etc., complete as per specifications, drawings and as directed by Engineer in charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance which is included in the rate.
10	M3	16,867.870	118.50	1	1,998,842.59	Excavation of ash to accommodate vertical sand filter and depositing the same in the adjacent areas for reuse/disposal in to ashpond with in 1 KM including all labour charges, equipments for excavation, loading, transporting, un-loading, spreading in layers of not exceeding 200mm thick (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering etc., to designed section as per specifications & drawings and as directed by Engineer in charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance which is included in the rate.
11	M3	97,566.323	303.00	1	29,562,595.87	Earth work embankment with CONTRACTOR's OWN EARTH for bund raising,strengthening and laying of earth cover over ash bund as per specifications, drawings and as directed by Engineer in charge including all labour charges, cost of seigniorage charges, charges of equipment for excavation, loading, transportation, unloading, spreading in layers not exceeding 200mm thick, removal of roots and undesirable materials, breaking clouds, and sectioning including scarifying the previous compacted layer, compaction to 150mm thick to proctor density of 95% at OMC with 7-11 T capacity vibratory roller, roller allowance, formation of approaches and ramps, watering, trimming of side slopes to designed section etc., complete and as directed by the Engineer-in-charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance, which is included in the rate.
12	M3	3,113.100	285.75	1	889,568.32	Formation of hard gravel base along the toe of bund as per specifications and drawings including cost and conveyance of gravel, seigniorgae charges, spreading in layers of thickness not exceeding 200mm thick (loose) and consolidation to 150mm thick to 95% of proctor density at OMC using 7-11T capacity vibratory roller, watering etc., complete for finished item of work and as directed by Engineer-in-charge.
13	M3	160.000	113.25	1	18,120.00	Earth work excavation for drains and formation of earthen bund with the excavated earth as per specifications, drawings and as directed by Engineer-in-charge including all labour charges with all leads and lifts/de lifts, spreading into layers of not less than 200mm (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering etc., to designed section as per specifications, drawings and as directed by Engineer in charge.
14	M3	8.878	1,425.75	1	12,657.81	Dismantling of existing structures like R.C.C. decantation wells, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202 MORD / MORTHetc., and as directed by the Engineer-in-Charge.
15	M3	19.399	3,712.50	1	72,018.79	R.C.C M 20 nominal mix using 12mm to 20mm size well graded HBG metal for raising of wells etc including cost and conveyance of all materials except cost of cement which will be issued by the Department at free of cost at Department stores/KTPS-V.Stage including,centering, shuttering, machine mixing, vibrating, curing, all labour charges with all leads and lifts, seigniorage charges and incidental charges etc complete for finished item of work and as directed by the Engineer in charge.
16	MT	1.409	3,472.50	1	4,892.75	Cutting, bending, placing in position and tying of reinforcement steel of all sizes for all RCC works including cost of binding wire and conveyance charges of reinforcement steel from department stores/KTPS-V.Stage to site, all labour charges with all leads and lifts and incidental charges etc complete for finished item of work as directed by the Engineer-in-charge.(Necessary steel Reinforcement will be issued by the Department at free of cost.)

17			RMT	30.000	1,500.00	1	45,000.00
				Supply,laying and jointing of 500 mm dia.RCC plain ended pipes of NP3 class in position to required gradient including jointing of pipes with cement mortar (1:2)and jute,filling of pipe portion with soils, cost and conveyance of pipes and all other materials, all labour charges,all leads and lifts,all taxes,T&P,incidental charges, seigniorage charges etc complete for finished item of work as directed by the Engineer-in-Charge.			
18			MT	1.285	59,123.25	1	75,973.38
				Supply, fabrication and erection of MS vent pipe of approved size with flanges, dummy plates, cutting, welding and placing in position, drilling holes, providing G.I bolts and nuts, washers, cost and conveyance of all materials including cost of oxygen, acetylene, welding electrodes and other consumables, hire charges of machinery and T&P, painting two coats of red oxide primer etc, including all incidents also, complete for finished item of work and as directed by Engineer-in-charge			
2							
1	Provision	towards	LS	360,344.000	1.00	1	360,344.00
	EPF						
2	Provision	towards	LS	85,608.000	1.00	1	85,608.00
3	Provision	towards	LS	786,125.000	1.00	1	786,125.00
	Labour cess						
4	Provision	towards	LS	2,002.000	1.00	1	2,002.00
	corpus fund						
5			LS	4,728,813.000	1.00	1	4,728,813.00
				Service tax as applicable will be paid extra			
6	VAT		LS	2,751,433.000	1.00	1	2,751,433.00
3							
1			M2	53,040.000	1.85	1	97,858.80
				Clearing the area for raising of ash pond bund by uprooting the jungle including grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps and disposal of unserviceable materials by burning and burying including cost and conveyance of all materials, labour charges, tools and tackles, hire charges of T&P, all leads and lifts and all other incidental charges etc.,complete for finished item of work as directed by the Engineer-in-charge.			
2			M2	42,290.000	10.65	1	450,388.50
				Stripping Ash/soil to an average thickness of 150mm and depositing on upstream side away from the proposed bund with all leads and lifts including removal of vegetation, all labour charges and hire charges of equipment , T&P etc complete for finished item of work and as directed by Engineer-in-charge			
3			M2	13,000.000	3.08	1	39,975.00
				Compacting the soil/Ash surface after stripping under Item No: 2 to proctor density of 95% at OMC with vibratory roller of 7-10 T capacity as per standard specifications etc., complete and as directed by Engineer in charge.			
4			M3	2,254.391	666.75	1	1,503,115.20
				Supply and spreading of 75mm to 450mm size HBG metal/stone from approved quarry for formation of rock toe/rock fill including cost and conveyance of all materials, all labour charges, all leads and lifts/de lifts , taxes, seigniorage charges etc., complete as per drawings, specifications for finished item of work and as directed by Engineer-in-charge.			
5			M3	2,326.686	583.50	1	1,357,621.28
				Rough stone dry packing for toe drain with rough stone of hard granite variety 225mm thick as per Dept specification including cost and conveyance of all materials, all labour charges, leads, lifts/de lifts etc including all taxes, seigniorage charges etc complete for finished item of work and as directed by Engineer in charge.			
6			M3	964.519	1,135.50	1	1,095,211.33
				Supply and spreading of HBG metal of 6-20 mm size for laying filters as per specifications & drawings including cost and conveyance of all materials, all labour charges with all leads and lifts including all taxes, seigniorage charges and			

					other incidental charges etc complete for finished item of work and as directed by Engineer-in-charge.
7	M3	768.839	983.25	1	755,960.95
					Supply and spreading of HBG metal of 40 mm size for laying filters as per specifications & drawings including cost and conveyance of all materials, all labour charges with all leads and lifts including all taxes, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by Engineer-in-charge.
8	M3	2,438.270	814.50	1	1,985,970.91
					Supply and spreading of well graded sand for laying sand filter media below the rock-toe and along the slopes of rock toe as per specifications & drawings and as directed by the Engineer in charge including cost and conveyance of all materials, all labour charges for laying, densification with all leads and lifts, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by the Engineer-in-Charge.
9	M3	33,762.865	832.50	1	28,107,585.11
					Supply and spreading of well graded sand for laying Horizontal and Vertical sand filter media as per specifications & drawings and as directed by Engineer in charge including cost and conveyance of all materials to site, all labour charges for laying, densification, seigniorage charges and other incidental charges etc complete for finished item of work and as directed by the Engineer-in-Charge.
10	M3	107,248.613	132.75	1	14,237,253.37
					Formation of embankment with Pond ash from specified areas of ash pond for core of bund including all labour charges, charges of equipment for excavation, loading, transportation, unloading, spreading in layers of not exceeding 200mm thick (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering, trimming to designed section etc., complete as per specifications, drawings and as directed by Engineer in charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance which is included in the rate.
11	M3	14,448.275	118.50	1	1,712,120.59
					Excavation of ash to accommodate vertical sand filter and depositing the same in the adjacent areas for reuse/disposal in to ashpond with in 1 KM including all labour charges, equipments for excavation, loading, transporting, un-loading, spreading in layers of not exceeding 200mm thick (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering etc., to designed section as per specifications & drawings and as directed by Engineer in charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance which is included in the rate.
12	M3	896.200	140.25	1	125,692.05
					Excavation of ash deposition by manual means from the inspection paths, toe drains and barrel of a well carefully with out disturbing the existing toe drains and barrel and disposing the same in the existing ash ponds with an extra lead of 1 KM including all labour charges, equipments for excavation, loading, transporting, un-loading etc and as directed by Engineer in charge.
13	M3	79,069.827	303.00	1	23,958,157.58
					Earth work embankment with CONTRACTOR's OWN EARTH for bund raising,strengthening and laying of earth cover over ash bund as per specifications, drawings and as directed by Engineer in charge including all labour charges, cost of seigniorage charges, charges of equipment for excavation, loading, transportation, unloading, spreading in layers not exceeding 200mm thick, removal of roots and undesirable materials, breaking clouds, and sectioning including scarifying the previous compacted layer, compaction to 150mm thick to proctor density of 95% at OMC with 7-11 T capacity vibratory roller, roller allowance, formation of approaches and ramps, watering, trimming of side slopes to designed section etc., complete and as directed by the Engineer-in-charge. Payment will be based on the levels for finished quantity less 2% shrinkage allowance, which is included in the rate.
14	M3	10,848.183	281.25	1	3,051,051.47
					Formation of hard gravel base along the toe of bund as per specifications and drawings including cost and conveyance of gravel, seigniorgae charges, spreading in layers of thickness not exceeding 200mm thick (loose) and consolidation to 150mm thick to 95% of proctor density at OMC using 7-11T capacity vibratory roller, watering etc., complete for finished item of work and as directed by Engineer-in-charge.

15	M3	5,234.570	113.25	1	592,815.05	Earth work excavation for drains and formation of earthen bund with the excavated earth as per specifications, drawings and as directed by Engineer-in-charge including all labour charges with all leads and lifts/de lifts, spreading into layers of not less than 200mm (loose), removal of roots and undesirable materials, breaking clods and sectioning including scarifying the previous compacted layer compaction to 150mm thick to proctor density of 95% at OMC with vibratory roller of 7-11T capacity, roller allowance, formation of approaches and ramps, watering etc., to designed section as per specifications, drawings and as directed by Engineer in charge.
16	M3	429.582	1,999.50	1	858,949.21	Laying Plain Cement concrete (1:4:8) using 40 mm size HBG metal with concrete mixture for leveling course including cost and conveyance of all material except cost of cement which will be issued by the department at free of cost at Department stores/KTPS-V.Stage including machine mixing, dewatering charges,all labour charges, seigniorage charges with all leads & lifts etc complete for finished item of work and as directed by Engineer-in-Charge.
17	M3	293.146	2,315.25	1	678,706.27	Brick masonry in CM (1:5) using well cured fly ash bricks of size 230x110x75 mm size and approved quality having minimum crushing strength of 75Kg/Sq.cm for construction of drains as per the Department specification including cost and conveyance of all materials except cost of cement which will be issued by the Department at free of cost at Department stores/KTPS-V.Stage, all labour charges with all leads and lifts, curing and incidental charges, seigniorage charges etc complete for finished item of work and as directed by Engineer-in-charge
18	M3	1.571	1,425.75	1	2,239.85	Dismantling of existing structures like R.C.C. decantation wells, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specification Clause 202 MORD / MORTHetc., and as directed by the Engineer-in-Charge.
19	M3	360.542	3,652.50	1	1,316,879.65	R.C.C M 20 nominal mix using 12mm to 20mm size well graded HBG metal for raising of wells etc including cost and conveyance of all materials except cost of cement which will be issued by the Department at free of cost at Department stores/KTPS-V.Stage including,centering, shuttering, machine mixing, vibrating, curing, all labour charges with all leads and lifts, seigniorage charges and incidental charges etc complete for finished item of work and as directed by the Engineer in charge.
20	M2	2,343.873	108.00	1	253,138.28	Plastering CM (1:4), 20 mm thick over Key walls and brick walls including cost and conveyance of all materials except cost of cement which will be issued by the Department at free of cost at Department stores/KTPS-V.Stage, all labour charges with all leads and lifts, curing, seigniorage charges and incidental charges etc complete for finished item of work and as directed by Engineer-in-charge.
21	M3	883.434	72.00	1	63,607.24	Excavation for in all kinds of soils by mechanical means for formation of cross drains including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50M, Dressing of sides and bottom and back filling in trenches with excavated suitable material as per Departmental specification and drawings including all operational and hire charges of machinery,all labour charges with all leads and lifts and incidental charges etc complete for finished item of work as directed by the Engineer-in-Charge.
22	MT	13.675	3,472.50	1	47,486.44	Cutting, bending, placing in position and tying of reinforcement steel of all sizes for all RCC works including cost of binding wire and conveyance charges of reinforcement steel from department stores/KTPS-V.Stage to site, all labour charges with all leads and lifts and incidental charges etc complete for finished item of work as directed by the Engineer-in-charge.(Necessary steel Reinforcement will be issued by the Department at free of cost.)
23	RMT	140.000	1,499.25	1	209,895.00	Supply,laying and jointing of 500 mm dia.RCC plain ended pipes of NP3 class in position to required gradient including jointing of pipes with cement mortar (1:2)and jute,filling of pipe portion with soils,cost and conveyance of

pipes and all other materials, all labour charges,all leads and lifts,all taxes,T&P,incidental charges, seigniorage charges etc complete for finished item of work as directed by the Engineer-in-Charge.							
24	M3	1,999.202	2,285.25	1	4,568,676.37	Construction of RR Masonry in CM(1:4) using RR stone of granite variety for drains as per drawings and as directed by Engineer-in charge including neat finishing of joints, curing, cost and conveyance of all materials excluding cost of cement which will be issued by department at free of cost, all labour charges, all leads and lifts,cost of T & P, all taxes, seigniorage charges, incidental charges etc complete for finished item of work as directed by the Engineer-in-Charge.	
25	MT	10.584	52,822.50	1	559,073.34	Supply, fabrication and erection of MS vent pipe of approved size with flanges, dummy plates, cutting, welding and placing in position, drilling holes, providing G.I bolts and nuts, washers, cost and conveyance of all materials including cost of oxygen, acetylene, welding electrodes and other consumables, hire charges of machinery and T&P, painting two coats of red oxide primer etc, including all incidents also, complete for finished item of work and as directed by Engineer-in-charge	
26	RMT	18.000	354.75	1	6,385.50	Providing and fixing of 100mm dia perforated PVC pipes 40 cm long for weep holes and for pressure relief including cost of all material, labour,drilling 8mm dia holes etc.,complete with all leads and lifts for finished item of work and as directed by Engineer in charge.	
4							
1	Provision towards EPF	LS	1,869,656.000	1.00	1	1,869,656.00	
2	Provision towards GIS	LS	534,392.000	1.00	1	534,392.00	
3	Provision towards Labour cess	LS	1,565,875.000	1.00	1	1,565,875.00	
5							
1	Provision towards corpus fund	LS	233,198.000	1.00	1	233,198.00	
Total Amount :					Rs. 179,165,581.80		
Total Amount in Words : Rupees Seventeen Crore Ninetyone Lakh Sixtyfive Thousand Five Hundred Eightyone And Paise Eighty Only							
Chief Engineer/ Civil (Thermal)							