

Name of work: Dismantling & dragging of 50 MVA, 220/132kV Transformer at 400 kV Kukurmara (Mirza) GSS, AEGCL and erection & commissioning of 100 MVA, 220/132 kV transformer along with all accessories at 400kV Kukurmara (Mirza) GSS, AEGCL

Price Bid

SINo.	Description of works	Quantity	Unit	Rate (Rs)	Amount(Rs.)
A. Dismantling & dragging of 50 MVA, 220/132kV Transformer					
1	Dragging of 220/132kV, 50MVA transformer from transformer pad to the location of storage inside the switchyard (Distance approx:100 meters, Transformer Mass:100MT)	100MT/100M etres	per MT/metres		
2	Dismantling of accessories like Marsheeling box and its electrical connections, Bushings, radiators, conservator tank including sealing of with dummy plate and draining of oil in empty barrels	job	1 job		
3	Dismantling of 220kV transformer jumper or dropping (including the refitting work for commissioning of 100 MVA transformers)	3 nos.	per drop or jumper		
4	Dismantling of 132kV transformer jumper or dropping (including the refitting work for commissioning of 100 MVA transformers)	3 nos.	per drop or jumper		
5	Dismantling of 132kV LA with structure for TR dragging purpose (3nos) & refitting after placing of 100MVA at pad	3 nos.	per unit		
6	Cost of hiring of hydra for dismantling of the transformer mounting & accessories.	24	per hour		
7	Fabrication and supply of blanking plates of various size made of 4mm thick MS plate	150	kg		
8	Manpower engaged in draining of TR oil into empty barrels upto just above the core level (skilled labour)	14	Man Days		
B. Erection & commissioning of 100MVA, 220/132kV transformer, along with all accessories.					
1	Dragging of 100MVA, 220/132kV Tr. With N2 filled from temporary pad to transformer pad at 400kV Mirza GSS (Transportation Weight as per name plate: 80 MT, Distance:70Mtrs)	80 MT 70mtr	per MT/metre		
2	Hiring of Hydra for erection work	32 hrs	per day(8 hrs)		
3	Cost of nitrogen cylinder for drying of transformer core and windings	10	nos.		
4	Expenditure for carriage of nitrogen cylinder	1 job			
5	Erection of transformer bushing & associates works including supply of gaskets				
6	(i) 220kV Level	3	nos.		
7	(ii) 132kV Level	3	nos.		
8	Arrangement of oil intermediate tank, filter m/c, preparation of oil drums etc	1 job			



9	Manpower engagement during the process of nitrogen drying	30	mandays		
10	Preparation of temporary shed including necessary arrangement of required materials viz hiring of tarpoline,bamboo, rope etc	1	per job		
11	Engagement of manpower (skilled) for erection of transformer oil conservator, radiators, cooling system, equalizwer pipes, installtion of RTCC panel, NIFPS and its accessories etc. under supervision of AEGCL officials	30	mandays		
12	Cable laying & termination work RTCC panel to Tr. MB, Cable laying & termination work for commissioning of NIFPS, C&R panel to Tr. MB, ACDB to Tr. MB etc for commisioning of 100MVA transformer of (both Control & Power Cable) and all associated works as per site condition		1 job		
13	Supply of jute, Markin Cloth, gasket, ferrule, CRC etc for installation of 100MVA transformer		1 job		
14	Engagement of manpower (skilled) for erection of transformer marshelling kiosk, fitting and fixing of wheels, cable termination work for WCT, WTI,OTI, Bucholz Relay, PRV, MOG, OSR, AC & DC termination etc complete in all respect under supervision of AEGCL officials	30	mandays		
15	Earth Work (Retrofitting) for commissioning of the transformer & assiting MRT wing during the oil filtration and necessary testing works with the engagement of skilled manpower (T&C work of the transformer will be carried out departmentally)	30	mandays		
16	Engagement of skilled labours for fabrication of NIFPS pipes, NIFPS tank, Welding of flanges, paintings work etc for installation of NIFPS	20	mandays		
17	Erection of NIFPS kiosk & tank with engagement of Hydraulic crane	4 hrs	per hour		
				(A) Total Amount = Rs.	
				(B) Add 18% GST = Rs.	
				Grand Total (A+B) = Rs.	
				Say = Rs.	

