

Specification No. :**Scope of Supply / Work :****Schedule of Service Quantities and Prices (PR No.1200008084)**

(All Financial Figures in Rs.)

ERP Item No./ Sub-Item No.	Schd No.	Service Code	Service Description	HSN Code	Qty.	Unit	Rate/Unit	Per	Total Base Value	GST (%)	Total GST	Corpus Fund	Total Tax Portion	Total Amount
1			Repalcement of 132 kV SF6 breaker of 132											
1 / 1		ST36-2	Loading / Unloading of loading / Unloading of 220 and 132kV 132kV CB (loading and unloading charges)	996719	2	EA	1,928.88	1	3,857.76	18%	694.40	N/A	694.40	4,552.16
1 / 2		SSE000009	DISMANTLING OF CABLE TERMINATIONS (Removal of cable terminations) A)Works under SD	996511	30	NO	43.88	1	1,316.40	18%	236.95	N/A	236.95	1,553.35
1 / 3		SSE0000416	DISMANTLING OF MS FLAT A)Works under SD	995429	20	M	100.13	1	2,002.60	18%	360.47	N/A	360.47	2,363.07
1 / 4		CS24-20I	Cable terminations to the switchgear, Marshalling boxes / panel terminal blocks/control and relay Panels, LTAC panel including providng suitable ferrules and lugs as per specification (including cost of ferrules and lugs) (for 220kV and 132kV). 220 and 132kV 1.5/2.5 Sq.mm. Copper with copper lugs each core at both ends.. A)Works under SD	995429	30	NO	58.50	1	1,755.00	18%	315.90	N/A	315.90	2,070.90
1 / 5		CS21-18	Laying of control cables of all sizes (from 2 core. 1.5/2.5 / 4.0 Sq. mm. to 20 core, 1.5/2.5/4.0sqmm , both copper and alluminium in cable trenches including cost of suitable metallic cable glands with rubber lining. Note: This includes running of cables in control room where cables are run on cable racks in cable duct. A)Works under SD	995429	800	RMT	19.50	1	15,600.00	18%	2,808.00	N/A	2,808.00	18,408.00
1 / 6		CS86-46	WRITING LETTERS IN CONTROL ROOM	995473	5	LIN	110.00	1	550.00	18%	99.00	N/A	99.00	649.00



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			PANELS, LETTERING ON PANELS, MARSHALLING BOXES ETC....											
1 /7		CS30-22.2	Erection of the following equipment with Crane / Derrick at site including handling the material / equipment carefully at site including labour charges for all incidental and operational items of work. (excluding cost of transport charges from dept. stores to the site). 132 kv Circuit breakers with support structure and Marshalling boxes including Ploe to Pole cable wiring and terminations. A)Works under SD	995429	1	EA	27,397.50	1	27,397.50	18%	4,931.55	N/A	4,931.55	32,329.05
1 /8		CS13-13	Connection of equipment to bus and or another equipment with single Zebra/Moose/panther Conductor including measuring, cutting,clamping and Hoisting of suspension insulator assembly to support the Conductor wherever necessary. 220 and 132kV A)Works under SD	995429	6	EA	531.00	1	3,186.00	18%	573.48	N/A	573.48	3,759.48
1 /9		CS20-17	Excavation of earth pit, putting cast iron pipe with flange on one end (as per ISS7181/86) of nominal dia 125mm and 2.75 meters long in side the pit including supply and Fixing RCC collars 0.75 meter dia (OD), 50mm thick and 0.60meters long in side the pit, backfill the pit in the 25mm size granules of BHcoke for full depth of the pit with alternate layers of BH coke and salt of 300mm thick around the earth pipe of 150mm on all the sides of the pipe including cost and conveyance of BH coke, salt, clamps, C.I.Pipes and RCC collars, labour charges for all operational and incidental items of work etc.,	995433	2	EA	22,615.50	1	45,231.00	18%	8,141.58	N/A	8,141.58	53,372.58



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			complete. 220 and 132kV A)Works under SD											
1 /10		CS16-16A	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 100x16mm MS Flat / GI Flat. A)Works under SD	995429	20	RMT	169.50	1	3,390.00	18%	610.20	N/A	610.20	4,000.20
1 /11		CS18-16C	Laying of earth mat including Excavation of trenches, welding, connecting to equipment and connecting lightning shield to earth mat and earthing of fence posts, drilling and connecting earth rods including connecting cast iron pipes as per Drg. No.SET(P)/149/82 with the following sizes of MS Flats / GI Flats.(for 220kV and 132kV) including fabrication. 220 and 132kV 75x 8mm MS Flat / GI Flat. A)Works under SD	995429	20	RMT	151.50	1	3,030.00	18%	545.40	N/A	545.40	3,575.40
1 /13		SSE0000432	LOADING / UNLOADING OF CONTROL CABLES UP TO 6 CORE 220 & 132KV	996719	4	EA	145.56	1	582.24	18%	104.80	N/A	104.80	687.04
1 /15		SSE0000550	TRANSPORTATION OF MATERIAL/ EQUIPMENT	996519	3	LDK	7,774.38	1	23,323.14	18%	4,198.17	N/A	4,198.17	27,521.31
1 /16		SSE000007	DISMANTLING OF EQUIPMENT LIKE POWER TRANSFORMER / STATION	995429	1	NO	20,548.13	1	20,548.13	18%	3,698.66	N/A	3,698.66	24,246.79



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			TRANSFORMER / CT / PT ETC. A)Works under SD											
1 /17		SWR20117	Disconnection / Removing of Jumper / IPS Aluminium pipe between equipment to equipment. A)Works under SD	995429	6	EA	398.25	1	2,389.50	18%	430.11	N/A	430.11	2,819.61
2			Civil Portion											
2 /1		SM00046	Dismantling the existing RCC by mannual means and carefully stacking the reuseful material at site and disposing the unserviceable metraial to any remote place 1000 mts distance away from site with all leads and lifts including cost of T&P ,labour and as per the directions of the Engineer-in - charge for finished item of work.	995429	2	M3	2,560.04	1	5,120.08	18%	921.61	5.12	926.73	6,046.81
2 /2		SM00039	Levelling the lowlying areas with excavated earth (obtained from the foundations of Control house and Switch yard structures) with a lead up to 1 KM over initial lead, depositing the soils in filling areas , spreading soils, and consolidation with three wheel 8 to 10 MT static Road Roller @ OMC to meet requirement as per standard specification , including all hire and operational charges of T&P complete for finished item of work as per the directions of the Engineer in Charge. (Payment will be made based on the initial and final levels as per contour survey for the finished item of work). A)Works under SD	995429	2	M3	102.57	1	205.14	18%	36.93	0.21	37.14	242.28
2 /3		SM00041	Levelling by filling with borrowed gravel by	995429	2	M3	455.90	1	911.80	18%	164.12	0.91	165.03	1,076.83



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			mechanical means including cost & conveyance of gravel, prewatering of soils, depositing the soils in filling areas , spreading soils, breaking clods, sectioning and consolidation with three wheel 8 to 10 MT static Road Roller @ OMC to meet requirement as per standard specification , including all hire and operational charges of T&P , complete for finished item of work as per the directions of the Engineer in Charge. (Payment will be made based on the initial and final levels as per contour survey for the finished item of work). A)Works under SD											
2 /4		SM00017	Earthwork excavation in all types of soils (up to stone matrix) which can be excavated with pick axe and crow bars and do not require blasting in all conditions such as dry, wet and slushy etc. covering initial lead and lift etc and backfilling the foundations (after laying foundations) with excavated earth including watering, compacting as per standard specification and disposing of surplus earth within site complete as per directions of Engineer in charge at site for finished item of work. A)Works under SD	995429	17	M3	289.30	1	4,918.10	18%	885.26	4.92	890.18	5,808.28
2 /5		SM00007	Providing Stone Crusher dust filling below the foundations as per the standard specifications of APDSS in uniform horizontal layers including cost and conveyance of all materials, watering and ramming, tools & tackles, all labour charges, all leads & lifts etc, complete for finished item of work as per directions of the Engineer-in-charge. (APSS No. 309&310)	995429	2	M3	1,583.68	1	3,167.36	18%	570.12	3.17	573.29	3,740.65



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			A)Works under SD											
2 /6		SM00011	Laying of Cement Concrete (1:4:8) mix using 40mm size HBG metal Machine crushed for foundations including cost and conveyance of all materials at all leads and lifts, ramming, consolidating, curing etc,complete. for finished item of work as per directions of the Engineer-in-charge.	995429	2	M3	4,663.56	1	9,327.12	18%	1,678.88	9.33	1,688.21	11,015.33
2 /7		SM00845	Providing High Yield Strength Deformed (HYSD)/ Thermo Mechanically Treated (TMT) (Fe 500/ 500D/ 550D) grade as per IS 1786-1979) of TISCO/ SAIL/ VSP / JINDAL PANTHER make, different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in all floors.(APSS No.126) - Switch Yard Works and Line Works A)Works under SD	995429	0.25	MT	74,435.49	1	18,608.87	18%	3,349.60	18.61	3,368.21	21,977.08
2 /8		SM01588	Laying of Reinforced Cement Concrete (RCC) M25 Grade with standard mix design as per IS	995429	2	M3	9,783.39	1	19,566.78	18%	3,522.02	19.57	3,541.59	23,108.37



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			10262:1982 containing minimum cement content 380 kgs, Coarse aggregate 20mm size graded machine crushed hard granite metal and fine aggregate of zone - II as per the mix design approved by the departmental from approved quarry including cost and conveyance of all materials like cement, fine aggregate, coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as volumetric batching, machine mixing, laying concrete, curing and centering, etc.,complete but excluding cost of steel and its fabrication charges for finished item of work as directed by the Engineer in charge. Centering should be with steel scaffolded pipes, jack props, wallers, foot plates, brackets, steel centering plates etc. complete.- Footings A)Works under SD											
2 /9		SM01589	Laying of Reinforced Cement Concrete (RCC) M25 Grade with standard mix design as per IS 10262:1982 containing minimum cement content 380 kgs, Coarse aggregate 20mm size graded machine crushed hard granite metal and fine aggregate of zone - II as per the mix design approved by the departmental from approved quarry including cost and conveyance of all materials like cement, fine aggregate, coarse aggregate, water etc., to site and including all operational, incidental and labour charges such as volumetric batching, machine mixing, laying concrete, curing and centering, etc.,complete but excluding cost of steel and its fabrication charges for finished item of work as directed by the Engineer in charge. Centering should be with	995429	2	M3	10,510.98	1	21,021.96	18%	3,783.95	21.02	3,804.97	24,826.93



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			steel scaffolded pipes, jack props, wallers, foot plates, brackets, steel centering plates etc. complete. - Pedestals A)Works under SD											
2 /10		SM01023	Supply and spreading of crusher dust in the switch yard area (100mm thick) in two layers of 50mm each including Suitable antiweed treatment after completion of final levelling and grading including disposal of surplus earth and filling within switch yard area including cost of all materials, head load lead upto 100 mts and initial lift etc., labour charges complete as per the directions of the Engineer in charge for the finished item of work. (Live SS Work) A)Works under SD	995429	10	M3	1,739.26	1	17,392.60	18%	3,130.67	17.39	3,148.06	20,540.66
2 /11		SM01024	Supply and Spreading of 20mm size graded Hard Broken Granite metal in switch yard (100mm thick) providing suitable PCC guage block of size 100x100x100mm at 2m x2m intervals , cost & conveyance of all materials, labour charges, head load lead upto 100mts and initial lift etc. complete as per the directions of the Engineer in charge for the finished item of work (Live SS Works) A)Works under SD	995429	10	M3	1,972.68	1	19,726.80	18%	3,550.82	19.73	3,570.55	23,297.35
2 /12		SM00827	Labour charges for picking old metal in the existing switch yard area 50 to 100mm thickness grading and stacking the useful 20mm graded metal for re-using including cost and conveyance of all materials labour charges, head load lead upto 100mts and initial lift etc., complete for finished item of work as directed by the Engineer-in-charge at site.	995429	2	M3	284.57	1	569.14	18%	102.45	0.57	103.02	672.16



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2 /13		SM00828	Spreading the useful 20mm graded Metal available from the stacks picked from existing switchyard area to 100mm thickness as directed after doing the micro levelling and providing suitable PCC guage block of size 100x100x100mm at 2m x2m intervals , cost & conveyance of all materials, labour charges, head load lead upto 100mts and initial lift etc. complete as per the directions of the Engineer in charge for the finished item of work.	995429	2	M3	306.57	1	613.14	18%	110.37	0.61	110.98	724.12
2 /14		SM00091	Supply and laying of 180 GSM LDPE sheet of approved make in the switch yard including laying the sheet neatly in between layers of crusher dust without folds to avoid the vegetation and weed growth, cutting and jointing the sheet properly including cost & conveyance of all materials, all leads , labour charges for laying complete as per the directions of the Engineer in charge for the finished item of work.	995429	100	M2	20.00	1	2,000.00	18%	360.00	2.00	362.00	2,362.00
2 /15		SM00096	Brick Masonry in CM (1:6) with common burnt clay bricks of class as per Table-1 of IS:1077-1992 Non-Modular or traditional size 23 x 11 x 7 cms of approved quality, including cost & conveyance of all materials, labour charges, scaffolding leads, lifts and curing complete as per the directions of the Engineer in charge for the finished item of work . - without Scaffolding	995429	2	M3	8,117.93	1	16,235.86	18%	2,922.45	16.24	2,938.69	19,174.55
2 /16		SM00795	Plastering with CM (1:5), 12 mm thick and	995429	6	M2	225.30	1	1,351.80	18%	243.32	1.35	244.67	1,596.47



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			finishing smooth to the required slope and painting two coats of Janatha Cem including cost & conveyance of all materials, labour charges, leads, lifts and curing including cost of Janatha Cem paint two coats, complete as per the directions of the Engineer in charge for the finished item of work. A)Works under SD											
2 /17		SM00787	Supplying and fixing 28.6 mm OD CPVC pipes of SDR 13.50 of premium make Supreme/ Prince/ Astral/ Birla Aerocon including the cost of pipe, required number of connectors such as elbows, tees, couplers, connectors, solvent cement etc., and labour charges complete including cost and conveyance of all materials to site, all operational, incidental , labour charges, etc. complete for finished item of work as directed by Engineer-in-charge. A)Works under SD	995429	30	RMT	450.19	1	13,505.70	18%	2,431.03	13.51	2,444.54	15,950.24
2 /18		SM00785	Supplying and fixing 15.9 mm OD CPVC pipes of SDR 13.50 of premium make Supreme/ Prince/ Astral/ Birla Aerocon including the cost of pipe, required number of connectors such as elbows, tees, couplers, connectors, solvent cement etc., and labour charges complete including cost and conveyance of all materials to site, all operational, incidental , labour charges, etc. complete for finished item of work as directed by Engineer-in-charge.	995429	60	RMT	279.19	1	16,751.40	18%	3,015.25	16.75	3,032.00	19,783.40
2 /19		SM00201	Providing and fixing in position at all levels of	995429	5	EA	939.94	1	4,699.70	18%	845.95	4.70	850.65	5,550.35



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			the buildings, 32mm Nominal Bore Bronze GM Ball Valve with SS BALL and spindle Indian make hZoloto/ R-Brand heavy type for water services with hand wheel at all elevations for following sizes including jointing complete as per the directions of the Engineer in charge for the finished item of work.											
2 /20		SSC0000 151	Seigniorage charges including SMET	995429	6063	RS	1.00	1	6,063.00	18%	1,091.34	N/A	1,091.34	7,154.34

NOTE: CGST and SGST amounts shall be shown in separate columns in the vendor invoices

Total 335,915.62

396,556.14

Amount in words : Three Lakh Ninety Six Thousand Five Hundred Fifty Six Rupees Fourteen Paise



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