

"Schedule of Quantity" Cum "Un-Price bid format"

Name of the Work: "Construction of Store Shed and area development for development of storage facilities and office set up" works in "JSW Dolvi CPP-4, 1x250 MW STG set.

Tender Ref no. TAYX00019, dated:10.05.2025

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
PART A	OPEN YARD WITH FENCING & Closed Shed (15mx30mx6m)					
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	Sqm	50			0.008780
2	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: All kinds of soil	Cum	500			0.647805
3	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Ordinary rock	Cum	250			1.244474
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed as per direction of Engineer-in -charge. Hard rock (Blasting prohibited)	Cum	25			0.357440
5	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	Cum	297			0.580825
6	Supplying and filling sand upto any depth under floors, around foundations, plinths, tank foundations, cable trench filling etc. in layers not exceeding 150 mm thickness and compacted so as to achieve at least 85% relative density as per IS-2720 (Part-XIV) including spreading, watering, ramming/compaction by manual / mechanical means, dressing, royalty (if any) etc. all complete.	Cum	74.4			0.798905
7	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	Sqm	370			1.447726
9	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	100			0.225747
10	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	Sqm	250			0.546032
11	Supplying & Stacking at site 63mm to 45mm size coarse aggregate	cum	200			3.264819
12	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled rolled/ vibratory 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening/binding material to fill up interstices of coarse aggregate , watering and compacting to the required density.	cum	150			1.566930

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
13	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struttred on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.					
14	With G.I. barbed wire	meter	3000			0.661525
15	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50 m x2.00 m made of 40x40x6 mm angle iron or 50x50x3 mm hollow MS tube posts/horizontal members/bracings covered with 1.63 mm thick MS sheet. The sheet shall be fixed with 30x5 mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 2.5 m. MS channel ISLC 75 @ 5.70 kg/m, 50 cm long shall be provided at the bottom having oval shaped holes of size 50x25 mm at both ends with 50 cm long MS angle 40x40x6 mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250 mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work including shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	metre	200			6.863692
16	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/ Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering and finishing as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the minimum specified cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level					
17	Concrete of M10 grade with minimum cement content of 210 kg /cum	CUM	80			7.052391
18	Concrete of M20 grade with minimum cement content of 270 kg /cum	CUM	110			10.111309
19	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work upto Plinth Level: 1:1.5:3 (1 cement: 1.5 coarse sand(zone-III) derived from natural resources: 3 graded stone aggregate 20mm nominal size derived from natural resources)	CUM	30			2.707686
20	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
21	Thermo-Mechanically Treated bars of grade Fe-500D or more	KG	3000			3.228300

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
22	Supply, fabrication and installing in position and testing MS Gates out of channels, joists, angles, flats, plates, pipes, welded steel wire mesh & sheets including stiffeners, bracings, fabricated hinges, MS Aldrops with locking arrangement, tempered steel pivot, guide track of MS Tee, bronze aluminium ball bearing arrangements, castor wheels, paintings etc. all complete. (as per approved design by BHEL Engineer-in-charge)	MT	1			0.976453
23	Supply and Installation of Closed Shed Dimension-(15mx30mx6m) as per technical specification provided in clause no.2.0 Of TCC	NOS.	1			32.776517
PART-B	ELECTRICAL AND ILLUMINATION WORK					
24	Supply, Installation and Commissioning of 415 volt AC , 3 phase /four wire power feeder pillar board , board shall be comprises of three number and one number aluminium bus bar for phase & neutral respectively. Bus bar rating shall be 125 Amps and shall be mounted on epoxy insulator of 1.1 kV grade, each bus bar shall have drilled hole for connecting incoming/ out going cables, provision for earthing the panel enclosure. Panel enclosure shall be made of sheet metal thickness not less than 1.6 mm and suitable for out door installation, hinged door with locking arrangement, base frame, should have slopped canopy, duly painted with first coat with primer and two coats of synthetic enamel paint (interior with white paint and exterior with smoke grey as per IS), suitable stool made out of MS structure of 1.2 meter high for mounting of panel with anchoring arrangement at foundation .Note: Suitable foundation the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location to	NOS	1			0.122101
25	Supply, Installation and Commissioning of 415 volt AC , 3 phase /four wire power feeder pillar board , board shall be comprises of three number and one number aluminium bus bar for phase & neutral respectively. Bus bar rating shall be 63 Amps and shall be mounted on epoxy insulator of 1.1 kV grade, each bus bar shall have drilled hole for connecting incoming/ out going cables, provision for earthing the panel enclosure. Panel enclosure shall be made of sheet metal thickness not less than 1.6 mm and suitable for out door installation, hinged door with locking arrangement, base frame, should have slopped canopy, duly painted with first coat with primer and two coats of synthetic enamel paint (interior with white paint and exterior with smoke grey as per IS), suitable stool made out of MS structure of 1.2 meter high for mounting of panel with anchoring arrangement at foundation .Note: Suitable foundations the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location t	NOS	2			0.244201
26	Supply & Fixing following way ,single pole and Neutral ,sheet steel, MCB distribution board, 240V, on surface /recess, complete with tinned copper bus bar, neutral busbar, earth bar, din bar, interconnections powder painted including earthing etc as required (But without MCB/RCCB/Isolater). A-8 WAY Double Door.	Nos	1			0.027298
27	Supply & Fixing of 5A to 32A rating ,240/415v10KA "C" Curve miniature circuit breakers suitable for inductive load of following poles in existing MCB DB complete with connections ,testing and commissioning etc as required					
28	single pole	Nos	8			0.021728
29	double pole	Nos	1			0.006960

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
30	2 x 2.5 sq. mm + 1 x 2.5 sq. mm earth wire through PVC conduit of required size with accessories and fixtures. Wiring shall be concealed type for computer room, office shed & for rest of sheds open and wherever required in PVC conduit of required size.	RM	60			0.065870
31	2 x 4 sq. mm + 1 x 4 sq. mm earth wire through PVC conduit of required size with accessories and fixtures. Wiring shall be concealed type for computer room, office shed & for rest of sheds open and wherever required in PVC conduit of required size.	RM	100			0.131467
32	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	PER POINT	25			0.117673
33	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6A & 15/16A modular socket outlet and 15/16 A modular switch, connections etc. as required.	NOS.	10			0.032539
34	Providing and fixing LED tubelight (22W) with frame of standard manufacturer as approved by BHEL. This includes tube light fittings etc. complete.	NOS.	25			0.075199
35	Providing and fixing wall mounted fan 12" diameter of approved company as directed by BHEL. This includes tube light fittings etc. complete.	NOS.	2			0.032537
36	Providing and fixing exhaust fans 12" diameter with frame of standard manufacturer as approved by BHEL.	NOS.	10			0.130442
37	Wiring with 2.5 sqmm ISI mark copper wire for above in PVC conduit along with GI earth wire inclusive of all material, labour etc. complete	PER POINT	50			0.301321
38	Supply of cables 3 -1/2 core x 95 sqmm aluminium armoured PVC insulated cable of approved make confirming to IS 1554 (part -I).	RM	360			1.101111
39	Supply of cables 3 -1/2 core 35 sqm aluminium armoured PVC insulated cable of approved make confirming to IS 1554 (Part -I)	RM	610			0.681931
40	Supply of cables 2 core x 10 sqmm aluminium armoured pvc insulated cable of approved make confirming to is 1554 (Part -I)	RM	300			0.169920

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
41	Supply, installation and commissioning of weather proof 400 Watt Led flood light along with Non-Integral type control gear box having adequate number of terminal connectors for terminating two cable of 3x 10 sqmm Al and suitable for out door application) of approved make only, including supply & fixing cables between the control gear box and light luminaries and mounting fixture with hardware for mounting of light luminaries and control gear box on pole type 410 SP-28.	NOS.	8			0.868990
42	Supply & Installation 9M Long steel Tubular Flood Lighting pole with all accessories as per drawing as per direction and instruction of Engineer-in-charge	NOS.	8			3.475746
43	Installation of cables 3 -1/2 core x 95 sqmm aluminium armoured PVC insulated cable confirming to IS 1554 (part -I) including laying of cable below ground, excavation of trench of 600 mm depth in all kind of soil, termination of cables cores with crimp type luggs, providing sand layer below/ above the cable, brick laying both side /above the above the cable and back filling etc complete. Cables are to be laid from 415 volt AC distribution board to feeder pillar board.	RM	360			0.805338
44	Installation of cables 3-1/2 core x 35 sqmm aluminium armoured PVC insulated cable confirming to IS 1554 (part -I) including laying of cable below ground , excavation of trench of 600 mm depth in all kind of soil, termination of cables cores with crimp type luggs, providing sand layer below/ above the cable, brick laying both side /above the above the cable and back filling etc. cables are to be laid from feeder pillar board to lighting panel.	RM	610			1.320093
45	Installation of cables 2 core x 10 sqmm aluminium armoured pvc insulated cable confirming to is 1554 (Part -I) including laying of cable below ground, excavation of trench of 600 mm depth (minimum) in all kind of soil, termination of cables cores with crimp type luggs, providing sand layer below & above the cable, brick laying both side & above the cable and back filling etc complete.	RM	300			0.636957
46	Providing earthing pits with 40 mm dia, 4.5 m long GI earth pipes with flange & GI wires with charcoal, salt and as per the standard practice for electrical connection. Rate shall be inclusive of all materials, labours, etc complete. (as per relevant IS code)	NOS.	5			0.174460
PART C	Other Miscellaneous work					
47	Providing and fixing in position of PVC overhead water tank (insulated) of sintex or any approved make, suitable for storage of drinking water (preferably of 4 layers) of following capacity with provision for overflow arrangement valves, inlet and outlet etc. complete. Supporting steel structure for fixing the tank shall be paid in the relevant item. Make and type of tank shall be approved by BHEL engineer.(1000 LITERS EACH)	NOS.	2			0.376746
48	Providing and fixing of RO water purifier (15 litre) , along with all fittings. Rate to include all necessary fittings & fixtures, labour etc. as approved & directed by BHEL engineer.	NOS.	2			0.217478
49	Supply and establishment of water distribution system for service water from customer point to BHEL site office (including supply & installation of all pump motor piping & cabling)	LS	1			0.292265

SL.NO	DESCRIPTION	UNIT	QTY	Rate in Rs.	Amount in Rs.	Weightage %
50	Supply , installation & Commssioning of CCTV System along with accessories (06 nos of camera (out door) along with JB's security box full hd 22inch Display,Mobile 5G accesspoint for online view,all mountings & asscociated cables)-as per approved layout & design by BHEL Engineer-in-charge	LS	1			0.663541
51	Supply of porta cabin (20ftx10ftX8ft) including furnitures & fixtures as per approved design by BHEL Engineer-in-charge	NOS.	1			5.529560
52	Supply of porta cabin Toilet block as per approved design by BHEL Engineer-in-charge	NOS.	1			1.884406
53	Providing services of air conditioning (AC) Five seater vehicle, SWIFT Dezire or similar kind for BHEL personnel for movement in and around the site and Mumbai/Dolvi (Including driver, maintenance and service), (Rate applicable for monthly running of 4500 Km.) Note: 1. Diesel cost shall be paid considering 14KM/Litre vehicle mileage. 2. Average of prevailing Diesel rates, as on 1st and 15th Day of the respective month, shall be considered for arriving at Diesel rate for calculating the Diesel cost. Vehicle (Swift Dezire)	Vehicle month	6			1.981619
54	Diesel at actuals	liters	2700			2.941283
55	Material handling and Management work involving Receipt, Unloading & Material Handling from Trucks / Trailers / Transport carriers / wagons etc., transportation to site / site stores & storage yard, verification, stacking, (loading to execution contractor's vehicle at the time of issue) for materials being issued/received at , including providing all necessary cranes (Tyre mounted upto 40MT, Pick and carry upto 18T, Upto 3T fork lift and other as per site requirement) equipment, manpower viz, T&P consumables, jacks, wooden sleepers, diesel, store keeper, supervisor, rigger and helpers, all complete as per instruction and direction of BHEL Engineer	MT	50			0.501863
	Total amount (Excluding GST)			No need to quote here	No need to quote here	100.000000
Note-1	Bidder to confirm having quoted their price in BHEL NIC portal (https://eprocurebhel.co.in) in the manner described in Note:(2) below, by writing "QUOTED" here					
2	Bidder no need to quote the price here, lumsum Price quoted by bidder in (excel sheet) price bid format in BHEL NIC portal (https://eprocurebhel.co.in) shall be cosidered as the total price of this tender SOQ. Rate and amount against each line item shall be derived from the corresponding weightage assigned against each line item of this SOQ.					
3	The rate and amount are inclusive of all applicable taxes, except for the GST. For details of taxes, clause no. 13.0 of the SCC will be					
4	Details of SOQ items shall be read in conjunction with the corresponding specifications, drawings and other tender terms.					