

BOQ-cum-Rate Schedule for Infrastructural Works at Kosti- SUDAN Project					TENDER NO. BHEL: NR(SCT):KOSTI:INFRA:361	
S.NO.	BRIEF DESCRIPTION OF WORK	UNIT	QTY.	Unit Rate, inclusive of all taxes / duties / levies. in SD	Amount in SD	Breakup of local Taxes, Lavies & duties elements considered (rate/value wise) in Item rate
1	2	3	4	5	6	7
Item-1	<b>Office shed 60M x 12M x 6 - 1 No.</b> Airconditioned, fully furnished office shed having Cold-rolled or tubular structures, corrugated galvanised, pre-painted single-skin sheet roofing, false ceiling with mineral fibre board, brick / hollow block walls on all sides, plain cement concrete PVC/Vinyl-carpeted floor, suitably glazed & ventilated having cabins, chambers, conference hall, pantry, toilet, security, Janitor-room with electrical & water fittings & teflon curtains furnished with items listed below:	Sq.M	720			
	Item-1-01 Table - executive	Nos.	11			
	Item-1-02 Table - non-executive	Nos.	50			
	Item-1-03 Sleek Computer Table	Nos.	15			
	Item-1-04 Chairs - Swivel high back	Nos.	11			
	Item-1-05 Chairs - Swivel Non-Executives	Nos.	65			
	Item-1-06 Chairs- visitors	Nos.	180			
	Item-1-07 Cupboards for record keeping	Nos.	55			

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Item-1-08	Side racks	Nos.	50			
Item-1-09	Almirah with lockers - Big -	Nos.	5			
Item-1-10	Almirah with lockers - Medium	Nos.	5			
Item-1-11	Almirah with lockers - Small	Nos.	5			
Item-1-12	Refrigerator 220 Ltr.	Nos.	2			
Item-1-13	Water cooler - Cap. 90 Ltr.)	Nos.	1			
Item-1-14	Photocopier machine (For paper upto A-3 size)	Nos.	2			
Item-1-15	Wall mounted Fans	No.	25			
Item-1-16	Ceiling Fans	No.	5			
Item-1-17	Slotted angle racks (1 m deep)	Sq.M	100			
Item-1-18	Computer Pentium P4	Set	15			

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Item-1-19	Laser Printer - CLR HP Make	Nos.	3			
Item-1-20	Scanner	Nos.	2			
Item-1-21	Intercom facility with a provision for 48 lines.	Nos.	1			
Item-1-22	Providing Telephone with connection complete . (usage charges shall be paid by BHEL)	Nos.	10			
Item-1-23	Fax machine	Nos.	1			
Item-2	<b>Stores sheds -60M x 12M x 6 M High - 4 Nos.</b> Cold-rolled or tubular structures corrugated galvanised pre-painted single-skin sheets roofing, brick / hollow block walls on all sides, concrete racks along side walls, plain cement concrete floor suitably glazed & ventilated, rolling shutters, with 5 MT Manually Operated crane, having pantry, toilet, security/Janitor-room and 60m2 false-ceiling in oneshed, with electrical & water fittings & exhaust fans.	Sq.M	2880			

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Item-3	<b>Semi-closed stores sheds -60M x 12M x 6 M High - 2 Nos.</b> Cold-rolled or tubular structures corrugated, galvanised, pre-painted single-skin sheets roofing without side-walls, with raised cement-concrete floor.	Sq.M	1440			
Item-4	<b>Open storage area of approx. 100,000 Sq.M.</b> well levelled, consolidated with proper drainage system, in blocks of 40 to 60M length and 25 to 30 M width with feeder and access roads running on all sides. Rate quoted should be exclusive of roads which are covered elsewhere.	Sq.M	1,00,000			
Item-5-A	<b>Office: Size 40' x 8' x 8'</b> Pre-fabricated air conditioned plug-in & use type porta-cabin / office as per specification (Refer Annexure-C For Specifications) : <b>(THESE PORTA CABINS SHALL BECOME PROPERTY OF NEC &amp; SHALL NOT BE TAKEN BACK BY CONTRACTOR)</b>	NO.	6			

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Item-5-B	<b>Office: Size 20' x 8' x 8' .</b> Pre-fabricated air conditioned plug-in & use type porta-cabin / office as per specification furnished (Refer Annexure-C For Specifications) : <b>(THESE PORTA CABINS SHALL NEED RE-LOCATION WITHIN THE PLANT AREA DURING THE CONTRACTUAL PERIOD, WITHIN THE QUOTED RATES). 2 Nos. of such porta cabins are required.</b>	Cabin months	80			
Item-6	<b>Residential Camp:</b>					
	Residential CAMP of plug-in & use type pre-fabricated air conditioned porta cabin living accommodation as per specification, mess for average 30 persons with all facilities including electricity & water, sewerage system etc. furnished with (one each in every room) air-conditioner, mini-refrigerator, 14" colour TV, bed with mattress, sheets & pillow, study table, chair, cupboard, dressing table, two chairs, blanket (6 to 8kg), tea / coffee maker, iron, intercom, buckets, mug, jug. Necessary arrangement for providing cable TV connection, with upto 15 channels, in each room is also included into the scope. <b>Porta-cabins shall be provided in phased manner as per requirement of BHEL.</b>					

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6-a	Porta cabin (1 bed room + toilet + utility space) - Size 7M x 5M or equ.= 35 M2 approximately, with double-bed, 21" CTV, refrigerator 165L, sofa set, centre table & other facilities specified in "Item-6". 2 Nos. of such cabins are required.	Cabin months	60			
6-b	Porta cabin (1 bed room + toilet + utility space) - Size 7M x 5M or equ.= 35 M2 approximately, with double-bed, 21" CTV, refrigerator 165L, sofa set, centre table, Pentium 4 computer, laser printer & scanner, photocopy machine, telephone with ISD, Fax & other facilities specified in "Item-6". One no. such cabin is required.	Cabin months	40			
6-c	Porta cabin(2BR+T) size 11M x 3M Approximately with all facilities specified in item-6. Approximate 20 Nos. Such cabins are required. □	Cabin months	460			
6-d	Porta cabin (3 B.R.+T) size 15M x 3M Approximately. 3 Nos. such cabins are required	Cabin months	75			
6-e	Mess size 15M x 15M Approximately including common room & laundry with items listed below (Rate quoted for this Item shall exclude the cost of following items):	Mess months	40			
i)	Air conditioner 2.2T	No.	10			

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ii)	Refrigerator 350 L	No.	2			
iii)	Colour TV with 29" dish antenna	No.	2			
iv)	DVD Player	No.	1			
v)	computer Pentium 4 with laser printer	No.	1			
vi)	Water cooler 90 lit capacity	No.	1			
vii)	Washing Machines	No.	2			
viii)	Desert coolers	No.	5			
ix)	Dining table (8-persons)	No.	4			
(x)	Dining chairs	No.	32			

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(xi)	Sofa sets with central table	Set	5			
(xii)	Utencils, cooking gadgets, crockery	set	1			
(xiii)	telephone for internet connection.	set	1			
(xiv)	Deep freezer 450 L	No.	1			
Item - 7	Power Supply System:					
7-a	From customer terminal point to substation and further distribution to office, residential camp, closed / semi-closed / open storage yards and general illumination and street lighting including masts.	Lumpsum	1			
7-b	440 V, 3 phase (with neutral),1000 A Power Distribution Board with 1 no 1000 A incomer, 1 no 400 A O/ G Switch Fuse Unit, 2 no 250 A O/ G Switch Fuse Units, 4no 100 A O/ G Switch Fuse Units	No.	2			
Item-8	Water supply.					
	For water supply system from customer terminal poitrn to office, stores & residential camp.	Lumpsum	1			



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Item-9	Provide fire fighting facilities like fire-extinguishing cylinders and fire-hydrant grid to cover approx. 100,000 M2 closed and open storage sheds / yard with risers at appropriate distances including supply of deluge valves, nozzles & hose-pipes.	Lumpsum	1			
Item-10	Car Parking area: 25M x 4M					
	Development of Car park area to accommodate five cars, two vans and one Bus shall be provided. Parking shed shall be constructed in steel structures with galvanised / prepainted sheet roofing & concrete floor.	Sq.M	100			
Item-11	Fencing:					
	Area fencing shall be done with PVC coated chain link fencing along with pole 3M c/c with a provisions for gates at suitable locations as per layout approved at site and a small room for security guard adjacent to gate.	R.M.	2500			
Item-12	Drainage / Sewerage System					
	Two separate drainage system shall be provided one to handle stores water and another to handle foul water. Each system shall be complete including all necessary gutters, down pipes, gully traps, manholes, septic tank and soak pit.	Lumpsum	1			
Item-13	Approach Road					

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	Construction of GSBC required from main road to office, store and store yard etc. and branch roads as per layout approved at site	Sq.M	6000			
Item-14	The contractor shall provide in phased manner as per requirement of BHEL fleet of air conditioned vehicle consisting of car, Van and Bus with driver and maintenance for exclusive use of BHEL, all the vehicle shall be under control of BHEL.					
(I)	Car	Vehicle Month	100			
(ii)	Van - 8 seater	Vehicle Month	100			
(iii)	Bus - 25 seater	Vehicle Month	30			
Item-15	Provide round the clock security arrangement (in phased manner as per requirement of BHEL) at plant, office, stores, storage yard and residential area by deputing Security Guards trained in fire fighting System.	Manmonth	800			
Item-16	Providing services of following personnel, in phased manner as per requirement of BHEL					
(I)	Supervisor -- Diploma Holders (Electrical / Mech./ Civil / C&I)	manmonth	100			
(ii)	Interpreter	manmonth	50			
(iii)	Computer operator/Store Keeper	manmonth	400			
(iv)	Skilled manpower	Manmonth	300			

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(v)	Unskilled manpower	Manmonth	300			
				<b>TOTAL</b>		

NOTES:						
1	The rates to be quoted in Coloumn (5) shall be Unit rates unless otherwise specified .					
2	The rates quoted shall be on Build, Operate, Maintain, dismantle & taking back basis. The items to be taken back by the contractor on completion of contract or as directed by BHEL shall include items against S.No. 5-B, 6-a, 6-b, 6-c, 6-d, 6-e [excluding items (i) to (xiv)] and 14.					
3	In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item but the work, if awarded, will be on the lowest quoted rate obtained against that item.					
4	The rate shall be entered in figures as well as in words. In case of difference in rates between words and figures, the lesser of the two will be treated as valid rate.					
5	The bidders shall enter both 'Unit Rate' & 'Amount'. In case of any mismatch between 'Total Amount based on Unit Rate' & 'Total Amount as quoted', the lower of the two shall be considered for evaluation and award.					
6	In the event of an error occurring in the amount column of schedule of quantities as a result of wrong calculation of the unit rate and quantity, the unit rate shall be regarded as firm and calculation shall be amended on the basis of the rate					
7	The quantities indicated against each item above are tentative and are liable to vary depending upon the site requirement. The contractor has to supply / install actual quantities as per advice of BHEL Engineer and accordingly the final contract price shall be adjusted on the basis of quantities actually erected at site & payment will also be regulated accordingly for the same. The contractor confirms that unit rate quoted above takes care of such variations during execution stage.					
8	Evaluation of the bids shall be done based on total price quoted					