

Item No.	Code No.	KANDUNGAN GENERAL ITEMS	JPS Malaysia	JKR Malaysia
1.1	A100	<u>CONTRACTUAL REQUIREMENTS</u>		
1.1.1		<u>Bond</u>		
1.1.1.1	A111	Performance Bond	_ /	_ /
1.1.1.1.1	A112	Design Guarantee Bond (for stand alone design to be designed by the Contractor).	_ /	_ /
		<u>Insurances</u>		
1.1.2	A121	Insurance of the Works.	_ /	_ /
1.1.2.1	A122	Public Liability Insurance.	_ /	_ /
1.1.2.2	A123	SOCISO / Workmen Compensation Insurance	_ /	_ /
1.1.3		<u>Statutory Obligations</u>		
1.1.3.1	A139	Compliance with law, regulations or by laws, or any order or directive issued by public authorities.	_ /	_ /
1.2	A200	<u>SO/PD'S REQUIREMENTS</u>		
1.2.1		<u>Facilities for the SO/PD's Representative</u>		
		Rate shall be deemed to include the provision of water supply, electricity, and communication facilities.		
1.2.1.1	A211	Establishment and removal of office as per Specification.	_ /	_ /
1.2.1.1.1	A211.1	JKR Design (Type A/B/C/D/E/F/G)** (with a floor area of m2).	X	_ /
		OR		
1.2.1.1.2	A211.2	Relocatable Type (new/used)* (with a floor area of m2).	_ /	_ /
		OR		
1.2.1.1.3	A211.3	Rental of Shop Lot (with a floor area of m2).	_ /	_ /
1.2.1.2	A212	Maintenance of office.	_ /	_ /

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1.2		<u>SO/PD'S REQUIREMENTS (cont'd)</u>		
1.2.1.3	A213.1	Establishment and removal of [e.g. purpose built] laboratories [with a minimum floor area of 60 m2 as shown in Drawing].	X	_ /
		OR		
1.2.1.4	A213.2	Rental of a premise of equivalent floor area and standard not inferior to that of the JKR specified type with similar fittings and necessary equipment.	X	_ /
		OR		
1.2.1.5	A213.3	Propose an accredited laboratory approved by SIRIM as an alternative to the construction of a testing laboratory.	X	_ /
1.2.1.6	A214	Maintenance of laboratories.	X	_ /
1.2.2		<u>Services for the SO/PD's Representative</u>		
1.2.2.1	A 239	Provision of transport services as per Specification.	_ /	_ /
1.2.2.1.1	A 239.1	no of motorcycles (.....vehicle month).	_ /	_ /
1.2.2.1.2	A 239.2	no of 4 wheel drive vehicle (.....vehicle month).	_ /	_ /
1.2.2.1.3	A 239.3	Operation and maintenanceno. of motorcycles (.....vehicle month).	_ /	_ /
1.2.2.1.4	A 239.4	Operation and maintenanceno. of 4 wheel drive vehicle (.....vehicle month).	_ /	_ /
1.2.3		<u>Equipment for Use by the SO/PD's Representative</u>		
1.2.3.1	A 223	Provision of laboratory equipment (with type and quantity as per Specification.	_ /	_ /
	A 224	Maintenance of laboratories equipment.	_ /	_ /
	A 221	Provision of site equipment (with type and quantity as per Specification.	_ /	_ /
1.2.3.3.1	A 221.1	a) No. computer.	_ /	_ /
1.2.3.3.2	A 221.2	b) No. photocopy machine.	_ /	_ /
1.2.3.3.3	A 221.3	c) No. digital / video camera.	_ /	_ /
1.2.3.3.4	A 221.4	d) No. fax machine.	_ /	_ /
1.2.3.3.5	A 221.5	e) No. printer.	_ /	_ /
1.2.3.3.6	A 221.6	f) No. scanner.	_ /	_ /
1.2.3.3.7	A 221.7	g) No. LCD projector & screen	_ /	_ /
1.2.3.3.8	A 221.8	h) No.	_ /	_ /

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1.2		<u>SO/PD'S REQUIREMENTS (cont'd)</u>		
1.2.3.4	A222	Maintenane of site office equipment.	_ /	_ /
1.2.3.5	A225	Provision of site office equipment (with type and quantity as per Specification).	_ /	_ /
1.2.3.6	A226	Maintenance of survey equipment.	_ /	_ /
1.2.4		<u>Attendance for SO/PD's Representative</u>		
1.2.4.1	A243	[..... Nos.] Laboratory assistant(s) / technician(s).	_ /	_ /
1.2.4.2	A244	[..... Nos.] General labours.	X	_ /
1.2.4.3	A245	[..... Nos.] Survey assistants.	_ /	_ /
1.2.5		<u>Miscellaneous</u>		
1.2.5.1	A262	Project signboard as per Drawing.	_ /	_ /
1.2.5.2	A261	Project report [in sets] comprising of progress report and quality control report. Rate to include progress photographs.	_ /	_ /
1.2.5.3	A254	Works programme [in Microsoft Project/Primavera** on a Gantt Chart format] and required personnel to update the programme as per Specification.	_ /	_ /
1.2.5.4	A263	As built drawings as per Specification.	_ /	_ /
1.2.5.5	A350	Clearance of site upon completion.	_ /	_ /
1.2.5.6	A264	Video recording.	_ /	_ /
1.2.5.7	A245	[..... Nos.] License Security guards.	_ /	_ /
1.3	A300	<u>PROJECT REQUIREMENTS</u>		
1.3.1	A310	Survey and setting out [by licensed surveyor].	_ /	_ /
1.3.2		<u>Quality Assurance/Quality Control (QA/QC)</u>		
1.3.2.1	A321	QA/QC Plan as per Specification.	_ /	_ /
1.3.3		<u>Submission of Documents</u>		
1.3.2.1	A251	Project execution plan as per Specification.	X	_ /
1.3.2.2	A252	Drawings as per Specification.	_ /	_ /
1.3.2.3	A253	Method Statement as per Specification.	X	_ /

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1.4.		<u>AUTHORITIES' REQUIREMENTS [OCCUPATIONAL SAFETY AND HEALTH REQUIREMENT (FOR PROJECT BELOW 20M)]</u>		
1.4.1		<u>Planning For Safety & Health Management</u>		
1.4.1.1	A411	Preparation of Hazard Identification Risk Assessment and Risk Control (HIRARC) for the activities carried out at site. (To be sequent submitted before commencement of each works throughout the contract period).	X	_ /
1.4.1.2	A414	Prepare and submit to the S.O/P.D of five (5) copies monthly safety & health report describing the occurrences of accidents, near misses, injuries and deaths and the actions taken. The report may be incorporated in the Progress Report for the entire duration of the contract. It shall also include:-	X	_ /
		i. Schedule of safety & health committee meetings. ii. Site safety & health toolbox meetings.	_ /	_ /
		iii. Safety & health audit reports.	X	_ /
		iv. Safety & health inspections reports. v. Safety and health policy.	X	_ /
		vi. Emergency Response Plan (ERP).	X	_ /
		vii. Chemical Safety Data Sheets (CSDS).	X	_ /
1.4.2		<u>Resources For Site Safety</u>		
1.4.2.1	A412	Employment of a Site Safety & Health Supervisor (SSS) and to the satisfaction of the S.O/P.D for the entire duration of the construction period to be stationed minimum 15 hours a week at the site.	_ /	_ /
1.4.3		<u>Protective Equipment</u>		
1.4.3.1	A413	Provision and maintenance of Personal Protective Equipment to S.O/P.D staffs at Site of adequate quantity and of approved quality. The equipment shall include but not be limited to the following:	_ /	_ /
1.4.3.1.1	A413.1	Safety boots.	_ /	_ /
1.4.3.1.2	A413.2	Safety helmets.	_ /	_ /
1.4.3.1.3	A413.3	Full Body Harness c/w Hook and Lankyard for workmen who work at heights more than 2m above ground level.	_ /	_ /
1.4.3.1.4	A413.4	Safety / life lines for workmen who work at heights more than 2m above ground level.	_ /	_ /
1.4.3.1.5	A413.5	Protective gloves.	_ /	_ /

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1.4.3.1.6	A413.6	Safety goggles.	_ /	_ /
1.4.3.1.7	A413.7	Safety jackets of reflective type.	_ /	_ /
1.4.3.1.8	A413.8	Ear plugs and muffs.	_ /	_ /
1.4.3.1.9	A413.9	Gas masks.**	_ /	_ /
1.4.3.1.10	A413.10	Dust musks.	_ /	_ /
1.4.3.1.11	A413.11	Head lamp.**	_ /	_ /
1.4.3.1.12	A413.12	Life jackets.**	_ /	_ /
1.4.3.2		Provision and maintenance on the site during the duration of the works, of the adequate safety equipment to be approved by the S.O/P.D as follows:		
1.4.3.2.1	A413.13	Gas detectors.**	_ /	_ /
1.4.3.2.2	A413.14	Breathing apparatus.**	_ /	_ /
1.4.3.2.3	A413.15	Air ventilation pumps.**	_ /	_ /
1.4.3.2.4	A413.16	Warning lights.	_ /	_ /
1.4.3.2.5	A413.17	Fire extinguishers.	_ /	_ /
1.4.3.2.6	A413.18	Hazard tape.	_ /	_ /
1.4.3.2.7	A413.19	Safety barriers.	_ /	_ /
1.4.4		<u>Safe Working Area</u>		
1.4.4.1	A419.1	Supply, erection, maintenance and removal on completion of the works, protective and security hoarding as stipulated in JKR Specification For Occupational Safety And Health For Engineering Construction Works.	_ /	_ /
1.4.4.2	A419.2	Supply, erection, maintains and dismantling of catch platform during demolition of structure or other related exterior works at more than 12m height. Such platform shall be designed by a Professional Engineer and certified for safety prior to erection as stipulated in JKR Specification For Occupational Safety And Health For Engineering Construction Works.*	X	_ /
1.4.4.3	A419.3	Supply, erection, maintenance and removal of safety barricades / fencing / railing / screen / wire netting / toe board for maintaining safe working environment.*	X	_ /

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1.4.4.4	A419.4	Provision and maintenance of guardrails or board fences and temporary foot walks with adequate temporary overhead protection for public walkways and thoroughfares.*	X	_ /
1.4.4.5	A419.5	Condoning off working area and provision of public control and safety measures where lifting operations, moving, shifting, transferring works and carried out outside the hoarded up area of the worksite as stipulated in JKR Specification For Occupational Safety And Health For Engineering Construction Works.	X	_ /
1.4.4.6	A419.6	Measures to prevent the breeding of mosquitoes, houseflies, rats, insects and other dangerous animals on the site throughout contract period.	X	_ /
1.4.5		<u>Special Work Condition</u> Allow for Statutory Obligation including payment of all fees and charges compliance with Occupational Safety and Health requirements stated in laws, regulations and by-laws which are not included elsewhere in this Bills of Quantities as stipulated under the Condition of Contract and JKR Specification For Occupational Safety And Health For Engineering Construction Works, details of which are to be particularized below:-	_ /	X
1.4.5.1	A420	The Contractor shall ensure that closed tanks with restricted means of entry and exit, open manholes, trenches, pipes, flues, ducts, ceiling voids, enclosed rooms such as basements and other places where there is inadequate ventilation and/or the air is either contaminated or oxygen deficient, be tested before entry to determine that there are adequate levels of oxygen present, and that dangerous amounts of flammable and or poisonous gases are not present. (Proprietary meters are available).	X	_ /
		The Contractor shall establish a safe work system for workers who will be carrying out their work in confined spaces.	X	_ /
		The Contractor shall adopt an entry permit system, so as to ensure that employees and others are aware of the location of anyone required to enter confined spaces.	X	_ /

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1.5	A500	<u>CONTRACTOR'S REQUIREMENTS</u>		
1.5.1		<u>Facilities</u> Item shall be deemed to include the provision of water supply, electricity, and sanitary facilities and their continuing operation and/or maintenance.		
1.5.1.1	A521.1	Set up offices and remove upon completion.	_ /	_ /
1.5.1.2	A521.2	Maintain office equipment for duration of contract period.	_ /	_ /
1.5.1.3	A512.1	Provision of office equipment and remove upon completion.	_ /	_ /
1.5.1.4	A512.2	Maintain workmen accomodation for duration of contract period.	_ /	_ /
1.5.1.5	A515.1	Set up stores and remove upon completion.	_ /	_ /
1.5.1.6	A515.2	Maintain store for duration of contract period.	_ /	_ /
1.5.1.7	A516.1	Set up workshops and remove upon completion.	_ /	_ /
1.5.1.8	A516.2	Maintain workmen accomodation for duration of contract period.	_ /	_ /
1.5.1.9	A517.1	Set up workmen accomodation and remove upon completion.	_ /	_ /
1.5.1.10	A517.2	Maintain workmen accomodation for duration of contract period.	_ /	_ /
1.5.2		<u>Access and temporary roads</u>		
1.5.2.1	A521.1	Construct temporary access roads to site.	_ /	_ /
1.5.2.2	A521.2	Maintain temporary drainage for duration of contract period.	X	_ /
1.5.2.3	A529.1	Construct temporary drainage to site.	_ /	_ /
1.5.2.4	A529.2	Maintain temporary drainage for duration of contract period.	X	_ /
1.5.2.5	A529.3	Construct temporary crossing(s) and remove upon completion.	X	_ /
1.5.2.6	A529.4	Maintain temporary crossing(s) for duration of contract period.	X	_ /